User Technologies

I0 Document for

Logical Partition Advisors

Product: RID3

DCR Numbers: 12161.1, 12164.1

AS/400 VRM: V5R1M0

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THE ON-LINE VERSION IS THE MASTER VERSION

0 Preface

1.1.1 Change History

Date	Change Description
10/01/1999	Created by Garrett Winn
11/16/1999	Changes incorporated based on review
mm/dd/yyyy	

1.1.2 Approval Procedure

Any revision or new versions must be approved prior to replacement of the old version. The approver is listed on the title page.

1.1.3 How to access this document

This document is located in the following places:

- AFS: N/A
- Web Page: http://w3.rchland.ibm.com/~winnga/lpar
- Lotus Notes Database database: This document can be found in the UT Design Documents in the 'u_dir' on server d27dbl02/27/A/IBM
- LAN Server: N/A

1.1.4 Obsolete copy handling

All previous versions of this document are to be destroyed.

1.1.5 Reviewers, Invitees, Attendees

Reviewer	Role	Required	Attend	Review Time
Dennis Kappers	533 Manager			
Jackie Curry	533 Team Lead	X	comments	
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Contents

1.0 Introduction and Overview

This I0 document outlines the information plan for all V5R1 Logical Partition advisors (the Ops Nav help and Information Center documentation is covered in a separate I0). This information plan focuses on work that is being done for AS/400 Information Center advisors.

Logical partitions are the distribution of resources (processors, memory, and I/O devices) within a single AS/400 system, making it operate as if it was two or more independent systems. Logical partitions will be supported on the following system models in V5R1:

- 620, 640, 650
- S20, S20 ISV, S30, S30 ISV, S40, S40 ISV
- 720, 730, 740
- 820, 830, 840

Logical partitions will NOT be supported on any of the following models because of hardware restrictions:

- 170, 270
- 150, 250, S10, 600
- Domino Servers

The following tables indicate the combination of releases that will run on different AS/400 systems. The tables are built on the model of allowing n-1 / n+1 (n = current release) SLIC release from the primary partition (To contain testing costs, this has been changed from the previous -2/+1 plan). So, for instance, a primary partition using V4R5 software (assuming compatible hardware), can generally have secondary partitions at V4R4 and V5R1. The tables show the allowed software releases within a secondary partition when the primary partition is using a certain software release.

V5R1 introduces the following new functions that need to be addressed in the LPAR advisors:

- Operations Navigator (GUI) functions.
- Dynamic movement of processors, memory, and interactive workload between logical partitions.
- Support of up to 32 partitions on a system.
- Shared processor support.
    - Allows for a processor-less (i.e. no dedicated processor) primary partition.
- Dynamically changing the Virtual OptiConnect or High-speed link (HSL) access without a logical partition restart.
- Partition management functional and interface improvements.
- Support for independent ASPs.

The following is ***not*** being offered in LPAR for V5R1.

- Dynamic logical partition activation support.

This I0 covers the V5R1 plans for the LPAR advisors:

- Logical Partition Planning Advisor (updated information deliverable to help users with the Planning Work Sheet, linked from LPAR web page too. Includes new hardware requirements and functions.)

- Logical Partition Troubleshooting Advisor (updated information deliverable to help users find solutions for SRCs and error messages easier. Includes new error messages and SRCs.)

- A separate I0 will cover the rest of the documentation being produced for LPAR.

- A separate I0 was held for the GUI design of the LPAR interface and wizards. See Dennis Schmidt for more information.

- **Documentation Not Covered in This I0**

- There are many other deliverables that have or will have LPAR-related information. Because they are not exclusively related to logical partitions, and since they can be covered more effectively outside this I0, they will be covered in separate CAIs and Topic I0s. These include the following:

- Roadmap books (~~CISC to RISC and~~ RISC to RISC)

- Physical Planning (Site Prep)

- Backup and Recovery

- Problem Analysis Guides

- Service Functions

- LIC Diagnostic Aids (Vol. I, II)

- OS/400 Diagnostic Aids
- Diagnostic Aids Addendum
- Basic System Operations
- Work Management (book and articles)
- Software Install
- TCP/IP routing performance articles (in regards to virtual OptiConnect)
- NT Server Integration articles (NetFinity Server article)
- OptiConnect for OS/400 (information about virtual OptiConnect)
- Security articles (Tips and tools for securing your AS/400)
- BRMS book
- Operations Console book
- Operations Navigator articles
- Client Access book
- Troubleshooting articles

Specifically, this I0 addresses LPAR customer documentation delivered through the following method:

- AS/400 Information Center (advisors) -- On the Internet and CD-ROM

1.1 Overview

Because of all the new functionality for LPAR to be included in this release of V5R1, we will need to add new content to the existing advisors. Unclear steps will also be fixed.

We will also continue to get customer feedback through additional UCD work to determine how internal and external customers use the current information so that we can identify areas for improvement.

We will continue to work with the TSC to get feedback from customers about the product and the documentation.

1.1.1 Associated Line Items

Line Item	Description	Information Deliverable
7EU	Information Development	Articles/Web Pages
7LB	LPAR - Stage 2	Articles/Wizards/Web Pages
7H2	Management Central Java Infrastructure	Wizards/Operations Navigator Interface
7H5	Management Central and Clusters	Wizards/Operations Navigator Interface
349	LAN Console	Wizards/Operations Navigator Interface

1.1.2 Associated UT DCRs

DCR	Component	Description	Contact

12159	RID3	Printing and What's new topics	Garrett Winn
12160	RID3	Learning about logical partitions	Sam Choy
12161	RID3	Planning for logical partitions	Garrett Winn
12162	RID3	Creating logical partitions	Sam Choy
12163	RID3	Managing logical partitions	Sam Choy
12164	RID3	Troubleshooting logical partitions	Garrett Winn
98153	GUIX	LPAR Help	Frank Bonner

1.1.3 Associated Development DCRs

DCR	Component	Description	Contact
97885	GYLP	LPAR GUI design	Dennis Schmidt
97486	SLIC	LPAR Development	Mark Manges
	GUIX/UGLP	LPAR GUI Management	Jeff Scheel

1.2 User Requirements

The LPAR Personas document goes into great detail about user requirements and what types of companies would use LPAR, and for what reasons.

Based on customer input, we have developed the following user scenario for logical partitions:

The scenario **is** Logical Partitions, which is why it is a main level (under System Admin) heading. Or more specifically, the scenario is "How do I create and use an LPAR system?"

Each topic discussed in this I0 is a part of that scenario. They are all steps to completing the scenario.

First, the customer needs to know what it is and what it can do (Learning about logical partitions); second, once they decide that this is for them, they need to know the "ingredients" for an LPAR system (Planning for logical partitions); third, they need to know how to create the partitions on their system (Creating logical partitions in Ops Nav help and the Create wizard).

This fulfills the basic scenario of creating.

To use an LPAR system, they need to know the various controls and how to use them (Managing logical partitions in Ops Nav help and the Delete wizard).

Finally, the customer may also experience problems with either creating the partitions or managing them, so they need to know how to find and fix these problems (Troubleshooting logical partitions).

So, every topic is part of the main scenario. They have been broken into the logical steps every customer must take to create and use an LPAR system.

The advisors are supplementary to these tasks, helping the user complete the task quicker and easier.

1.3 User Centered Design

UCD held a focus group for LPAR on March 26, 1999. While the main point of this group was not necessarily to get feedback on the existing LPAR documentation, some customers did comment on it. A summary is available in Appendix A: LPAR Documentation Focus Group Summary. We will continue to ask for customer opinion. We will also hold similar focus groups to look at the new information deliverables (the advisors).

The following are some suggestions about the documentation that were made during the focus group:

1. LPAR is not easy to understand, plan, setup. Anything that can make this easier, faster, more accurate would be optimal. Include sufficient overview/background material; many examples,

case studies, and detailed configuration steps; adequate FAQs (frequently asked questions); and ample troubleshooting information.

2. The online documentation needs to have better navigation. Have everything all in one place rather that having to go to 3 or 4 different manuals to figure out how to do things that pertain to LPAR.

3. You need to improve the documents' clarity. Good documentation on how to plan, setup, and manage logical partitions needs to be made available so users are not going into this blind. It would help save time in figuring out exactly what needs to be done.

4. Provide better online help in DST/SST. Provide help within LPAR configuration/management displays so that we wouldn't have to "hunt" to find an online document.

5. There needs to be a document that will help us understand the hardware. It's confusing for testers and customers and support line test subjects who have never had to know hardware before. Too hard to teach old dogs new tricks. A person should be able to create a partition without any additional assistance.

6. A configurator to play with would help in planning purchasing needs, as well as the actual partitioning procedure. This GUI tool could be available online.

The following is how we plan on addressing these concerns:

1. The Troubleshooting advisor will help provide adequate troubleshooting information. The Planning advisor will help users complete the work sheets quicker, and with less confusion.

2. We will use more words to help the user predict where a link will take them. The Hardware Planning Guide will still be included in the Information Center, with only very technical, often-changing information on the LPAR web site, so that almost all LPAR-specific information is in one place.

3. The advisors will be edited by a member of the Editing team for clarity and correctness.

4. Although we will not be focusing on DST help, Sam Choy will create detailed and informative online help for Operations Navigator that will give the users all the information they need, when they need it.

5. The Planning advisor will help shield users from the complexities of the hardware by asking them simple questions that will be used by the advisor to fill in the complex Planning Work Sheet.

6. The Planning advisor will let customers "try out" various configurations during planning, in the sense that they can try out various configurations of hardware to see what hardware they will need. The customer can do this as often as necessary without having to send the information to the Technology Solutions Center.

As we write our information for V5R1, we plan to base our task analysis (for usage scenarios and usability testing) on information gathered from specific User Centered Design (UCD) activities.

These planned activities for UT include:

- Formal customer interviews to determine what they are looking for from our information. The LUG meeting in October 1999 will provide a good opportunity for this.
- Iterative design testing with customers. A request has been placed in the UCD database for interested customers. Ideally, these customers will be available from December through February in order to adequately address concerns within this release.
- Survey to gain knowledge of who our customers are, what they are doing with LPAR, or what they plan to do with LPAR in the future. This survey will be sent out near the beginning of December. We will work with the TSC to obtain names and demographics.

1.3.1 Personas, User Goals and Tasks

Detailed personas for LPAR were created for the GUI design. These personas are available in the LPAR Persona Report document. See Garrett Winn for a copy.

1.4 Usage Scenarios

We will work with the UT Test team to create scenarios for new and significantly changed information for V5R1. This is especially true of the advisors. We will create a list of potential inputs for each panel, as well as invalid inputs that should result in an error message. Current

plans are in the UT Test Plan database (See Mike Kelly for more information).

1.5 Usability Testing

Mike Kelly's Team will provide usability testing for the Logical partition planning advisor and all Ops Nav help, wizards, and usability. The writers will perform usability testing for all other articles.

2.0 External Interfaces

An advisor is an application that provides a recommendation or suggestion based on input from the user. Advisors, unlike wizards, do not perform any functions or change any system values. Advisors are written in HTML, JavaScript, and Java.

- In V4R5, UT is adding advisors to the Information Center. Advisors will be located (that is, linked to from) the sections of the Information Center to which they pertain. Also, an "Advisors" link from the main menu will be added to display a list of advisors.

No PDF files of advisors will be provided. Advisors are included in both the internet and CD versions of the Information Center. Translation instructions will be included to address JavaScript coding and the Java applet in the advisors.

2.1 Graphical User Interface Design

LPAR has advisors in the Information Center for the following LPAR tasks:

- Logical Partition Planning Advisor (updated information deliverable to help users fill in the Planning Work Sheet)

- Logical Partition Troubleshooting Advisor (updated information deliverable to help users find solutions for SRCs and error messages easier)

The Operations Navigator Software Design Guidelines can be found at:

http://w3.rchland.ibm.com/projects/AS400-Unity/GUIDesign/Guidelines/

2.1.1 Advisor: LPAR Planning Advisor

2.1.1.1 Description

- Since customers indicated that they want to be shielded from the hardware of their systems, the Planning Advisor will ask simple questions about the customer's wants, which

wants will be used to fill in the Planning Work Sheet. Customers will not need to know feature numbers, use complex tables, or memorize hardware requirements. In V5R1, this advisor will get smarter, and understand switching requirements better, feature code combinations, and provide the customer with placement information.

- The Planning advisor helps the user to complete the LPAR Hardware Planning Work Sheet. The user should be able to complete the work sheet faster, and with fewer errors than just doing it by hand. Eventually, the advisor will be able to provide product assurance and hardware placement information that is currently being done by the TSC or business partners.

2.1.1.2 Flow

This advisor flows from beginning to end with relatively no deviation. Many panels are set in a loop for the number of partitions requested, as follows:

Figure A: LPAR Planning Advisor Flow

2.1.1.3 Panel: Welcome

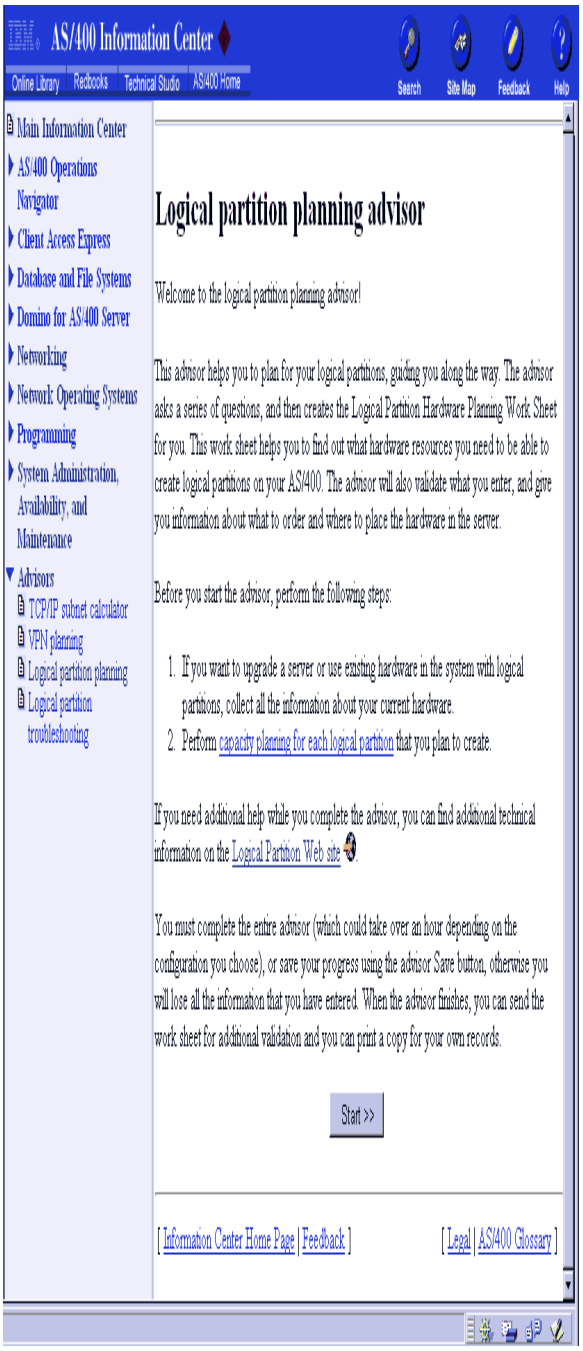


Figure 1: LPAR Planning Advisor - Welcome Panel

2.1.1.1.1 **Push buttons**

Push button	**Results**

Start >>	Displays the next advisor panel.

2.1.1.1.2 Properties

N/A

2.1.1.1.3 Behind the Panel

This panel is actually part of the Planning articles. Since content will be sourced in HTML for V5R1, a **Start** button can be included on the page instead of the text link at the bottom.

The design of the frames will be based on the V5R1 Information Center design (which may not look like figure 1). Because this design has not yet been created, the rest of the figures in this document will only focus on the content part of the panel--the rest of the web page has been erased.

2.1.1.1 Panel: Select a server

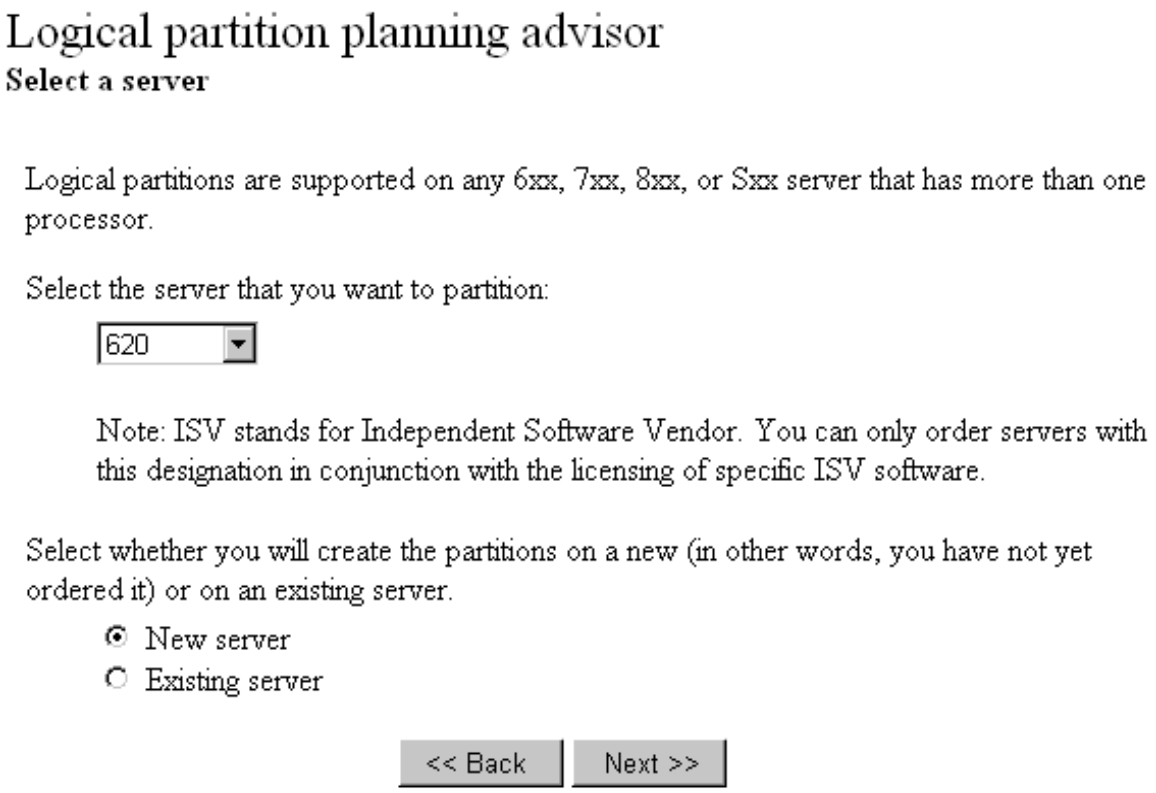


Figure 2: LPAR Planning Advisor - Select a server Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the welcome panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Select server drop-down box:

Description: User must select a server

Field type:	Drop-down box
Possible values:	620, 640, 650, 720, 730, 740, 820, 830, 840, S20, S20 ISV, S30, S30 ISV, S40, S40 ISV
Default value:	620
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	The type of server selected determines what the next panel is.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Radio Button Group 1:

Description:	User must select a new or existing server to plan for
Field type:	Radio Buttons
Possible values:	New, Existing
Default value:	New
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Depending on the choice, some words change on other pages. I.e., “How many processors do you want” versus “How many processors do you have”
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

When the panel first loads, it checks to see whether the applet has been loaded. If not, it loads it. If the applet is loaded, it checks for changes to the default values and selects the appropriate choices.

Some values are initialized to 0 or “” (blank) when the page is loaded.

The selected values are stored in the applet.

Back goes to Welcome panel.

If 620 is selected, Next is the Divide interactive workload panel. Otherwise, Next is the Number of partitions panel.

2.1.1.1 Panel: Select processors

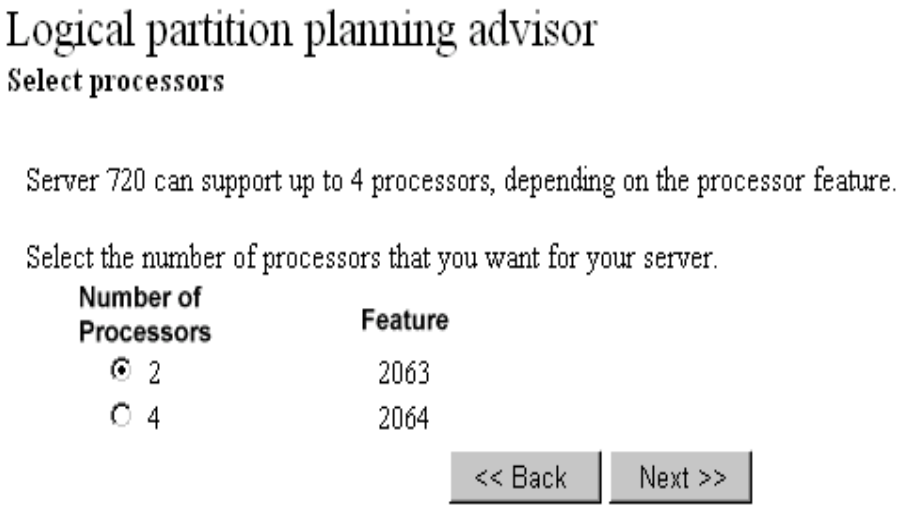


Figure 3: LPAR Planning Advisor - Select processors Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select the number of processors
Field type:	Radio Buttons
Possible values:	2, 4, 8, 12, 24 (feature codes vary)
Default value:	2
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	The actual values depend on the system limits.
DBCS considerations:	N/A

Other unique characteristics: N/A

2.1.1.1.3 Behind the Panel

Back goes to Number of partitions.

Next is as follows:

Server	Number of Partitions	Next
640, 650, Sxx, Sxx ISV	= total processors	Divide interactive workload
	< total processors	Divide processors
7xx, 8xx	= total processors	Select interactive feature
	< total processors	Divide processors

The number of total processors is stored in the applet. The feature number is stored in the applet.

If the number of processors is 2, the advisor sets up to have 2 partitions with 1 processor in each. If the system is not 7xx or 8xx, the interactive feature and interactive workload are stored in the applet.

2.1.1.1 Panel: Number of partitions

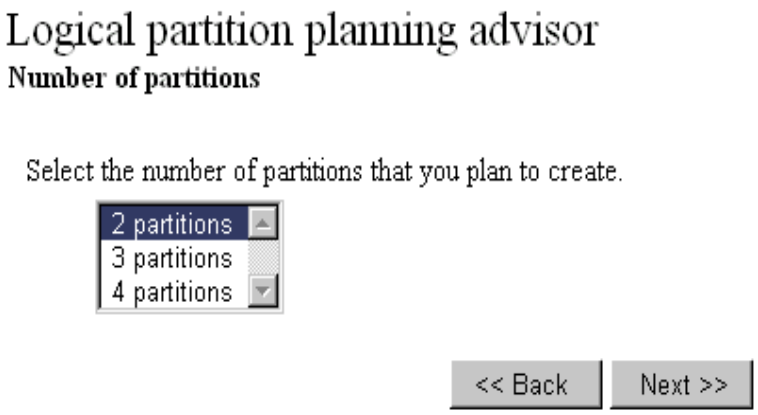


Figure 4: LPAR Planning Advisor - Number of partitions Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

List box 1:

Description:	User must select the number of partitions
Field type:	List box
Possible values:	2 through 32
Default value:	2
Formatting and length restrictions:	3 vertical spaces long
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Actual displayed number depends on the number of processors selected.
DBCS considerations:	N/A
Other unique characteristics:	Only the correct choices show up in the list box.

2.1.1.1.3 Behind the Panel

Back goes to Select server.

Next is as follows:

Server	Number of Processors	Next
640, 650, Sxx, Sxx ISV	2	Divide interactive workload
	>2	Select processors
7xx, 8xx	2	Select interactive feature
	>2	Select processors

If the number of partitions selected equals the total number of processors, the advisor sets up with the requested number of partitions each having only 1 processor.

The number of partitions is stored. Each partition is given 1 processor. The number of processors in each partition is stored.

2.1.1.1 Panel: Divide processors

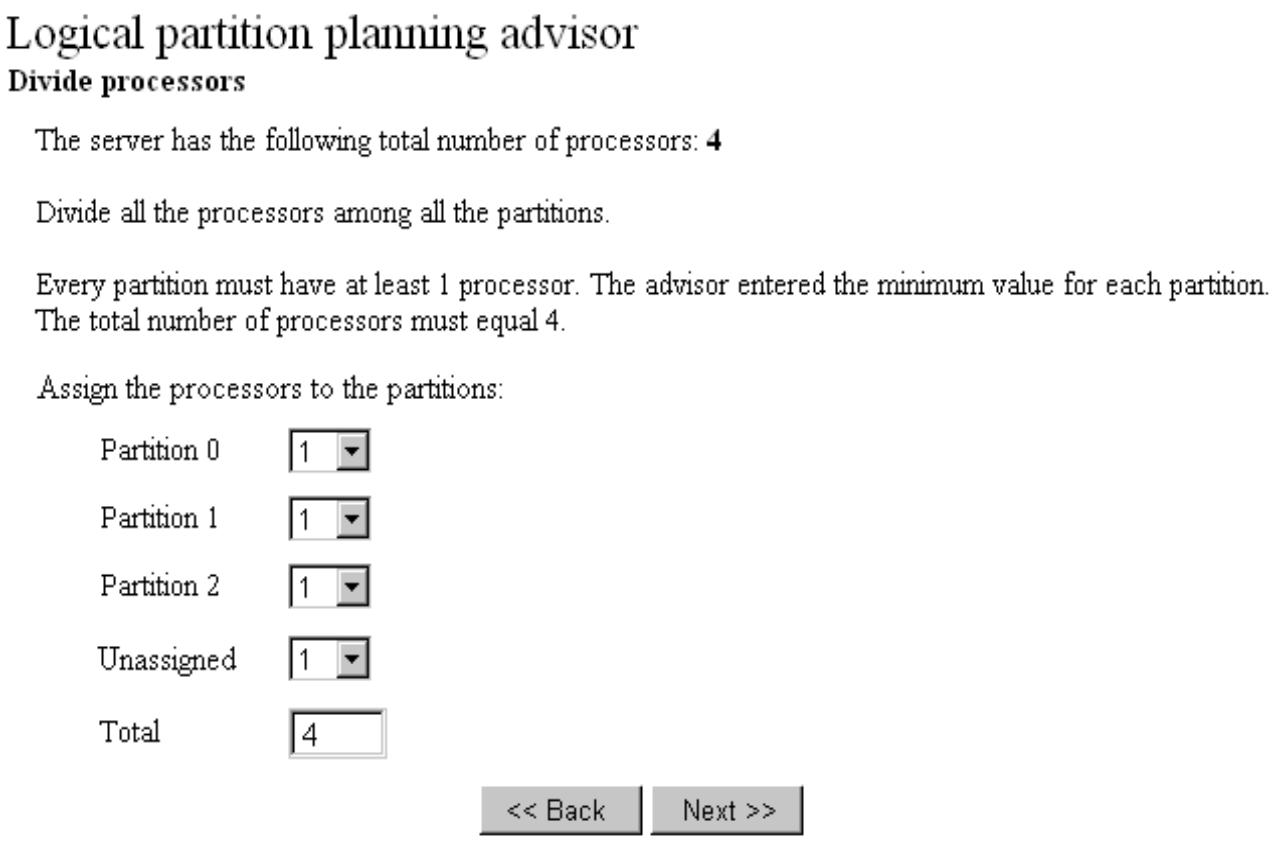


Figure 5: LPAR Planning Advisor - Divide processors Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Drop-down lists:

Description: User must select number of processors for each partition.

Field type: Drop-down list

Possible values:	1 through (total processors - 1), or shared
Default value:	1
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	The sum of the drop-down lists is displayed in the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	A drop-down list is created for every partition, plus one for unassigned.

Total text box:

Description:	Displays total number of selected processors
Field type:	Text box
Possible values:	Number of partitions, user-supplied.
Default value:	Number of partitions
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Never.
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Is the sum of the selected drop-down lists.
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select processor.

If the system is not 7xx or 8xx, Next is Divide interactive workload. Else, Next is Select interactive feature.

If the Total does not equal the total processors, the following error message displays:

2.1.1.1 Panel: Select interactive workload

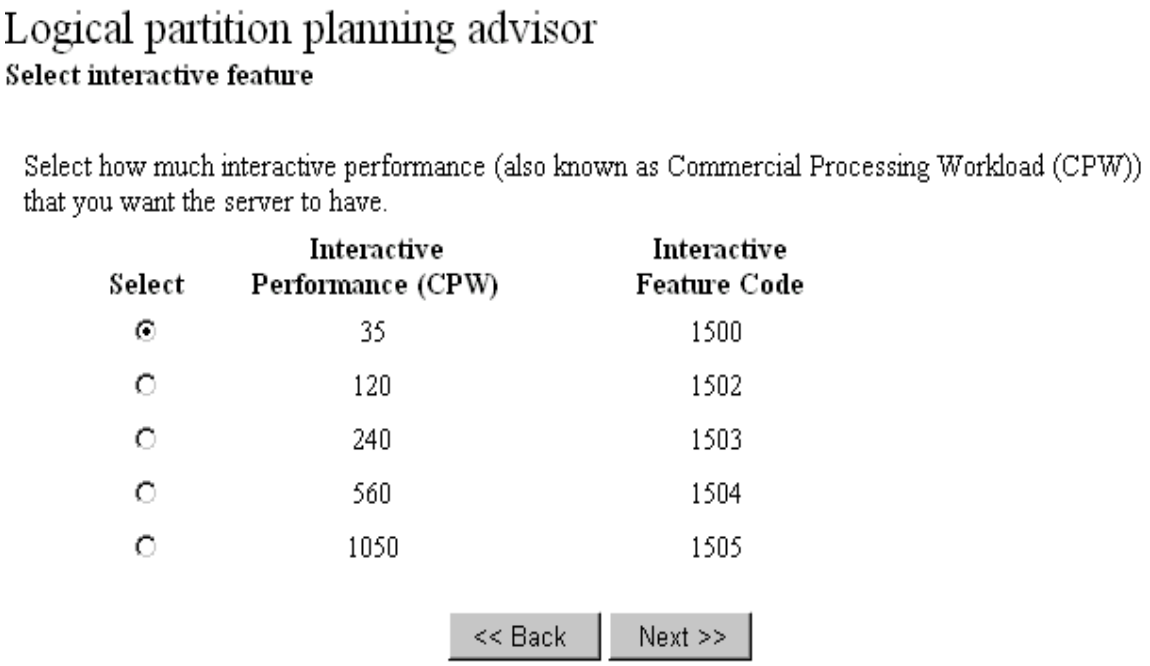


Figure 6: LPAR Planning Advisor - Select interactive workload Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select an interactive feature
Field type:	Radio Buttons
Possible values:	Varies depending on server.
Default value:	First radio button
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A

Relationship to other properties: N/A
DBCS considerations: N/A
Other unique characteristics: The radio buttons are only displayed for the possible interactive features.

2.1.1.1.3 Behind the Panel

Back is as follows:

Number of processors	Back Panel
number partitions != total processors	Divide processors
number partitions = total processors	Select processors
number processors = 2	Number of partitions

Next is Divide interactive workload.

The advisor stores the selected total CPW and the interactive feature code.

2.1.1.1 Panel: Divide interactive workload

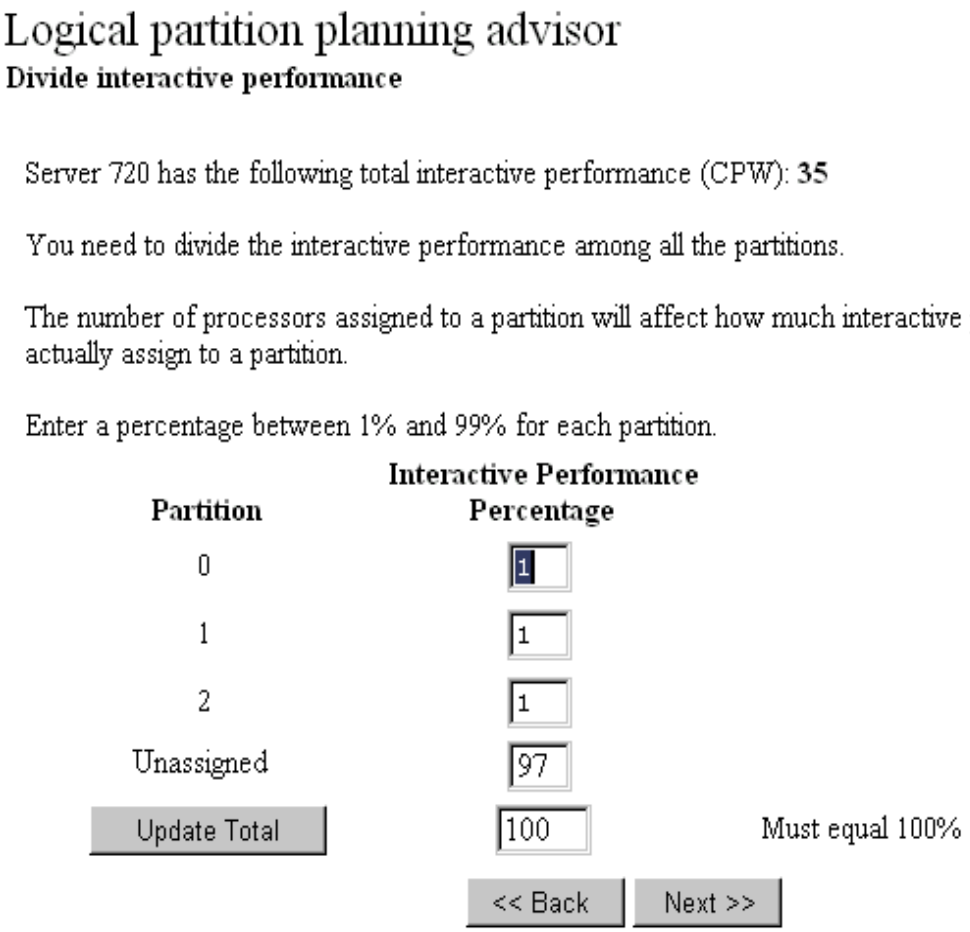


Figure 5: LPAR Planning Advisor - Divide interactive workload Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.
Update Total	Calculates and displays the total percentage.

2.1.1.1.2 Properties

Update Total button:

Description:	Calculates the total based on user supplied values.
Field type:	Button
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	N/A
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Displays the total in the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Partition text boxes:

Description:	Percentage of total CPW.
Field type:	Text boxes
Possible values:	0 through 99.
Default value:	Based on number of processors selected for that partition.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	These text boxes automatically total into the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Unassigned text box:

Description:	Percentage of total CPW.
Field type:	Text box
Possible values:	0 through 100.
Default value:	Based on what is left over from other partitions.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	This text box automatically totals into the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Total text box:

Description:	Total assigned percentage

Field type:	Text box
Possible values:	0 through 100.
Default value:	100
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Never
Conditions when enabled/disabled:	N/A
Relationship to other properties:	This text box is the total of the Partition text boxes and the Unassigned text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

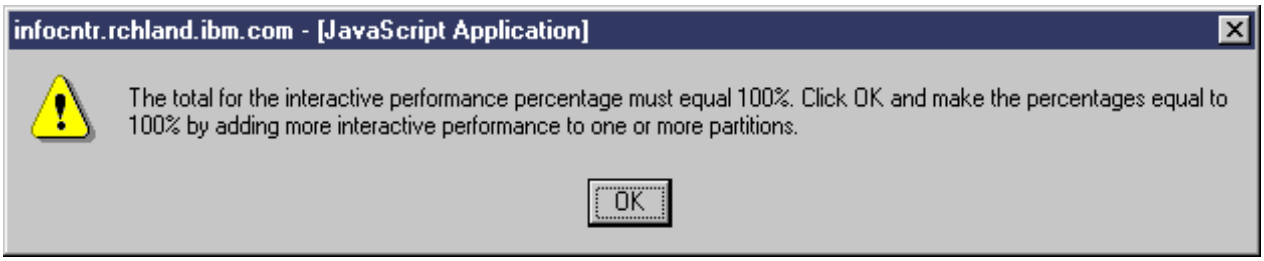
Back is as follows:

Server	Number of processors	Back Panel
7xx, 8xx	N/A	Select interactive workload
620	N/A	Select server
All others	number partitions != total processors	Divide processors
	number partitions = total processors	Select processors
	number processors = 2	Number of partitions

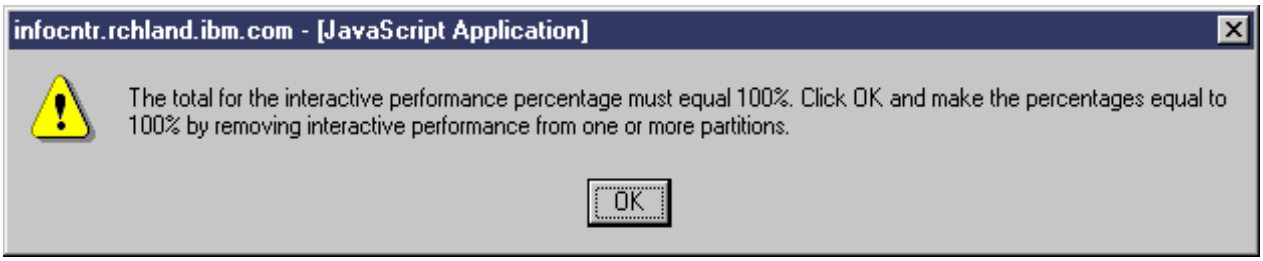
Next is Divide memory.

The advisor calculates the percentage for each partition based on the server and the number of processors in the partition. The advisor will use the median value, but the user can enter any value within the allowed range.

The advisor will not let the user go to the next panel unless the Total equals 100%. If the Total is less than 100%, the following message displays:



If the Total is greater than 100%, the following message displays:



The advisor will only accept valid numbers between 1 and 99. It will only allow whole numbers between this range (no decimal places).

2.1.1.1 Panel: Divide memory

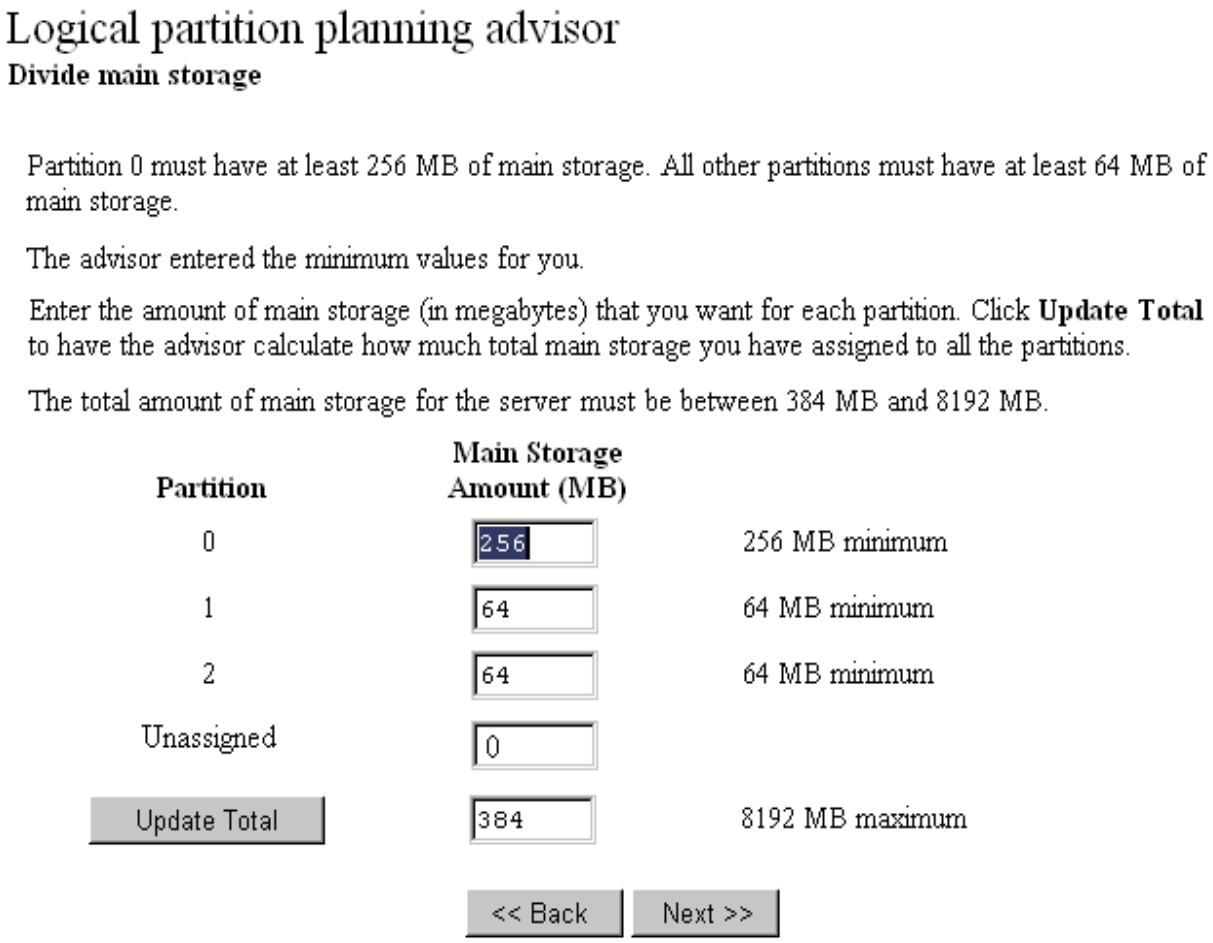


Figure 86: LPAR Planning Advisor - Divide memory Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Update Total button:

Description:	Calculates the total based on user supplied values.
Field type:	Button
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	N/A
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Displays the total in the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Partition text boxes:

Description:	Total memory for the partition in MB.
Field type:	Text boxes
Possible values:	0 through system maximum.
Default value:	256 for the primary (partition 0), 64 for all other partitions.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	These text boxes automatically total into the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Unassigned text box:

Description:	Potential unassigned memory.
Field type:	Text box
Possible values:	0 through system maximum minus partitions.
Default value:	Based on what is left over from other partitions.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	This text box automatically totals into the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Total text box:

Description:	Total assigned memory in MB.
Field type:	Text box
Possible values:	0 through system maximum.
Default value:	based on minimums (from 320 to 2240)
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Never
Conditions when enabled/disabled:	N/A
Relationship to other properties:	This text box is the total of the Partition text boxes and

Unassigned text box.

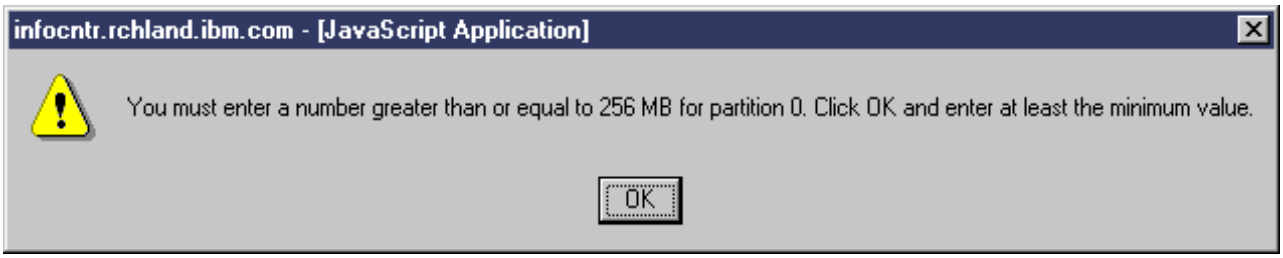
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

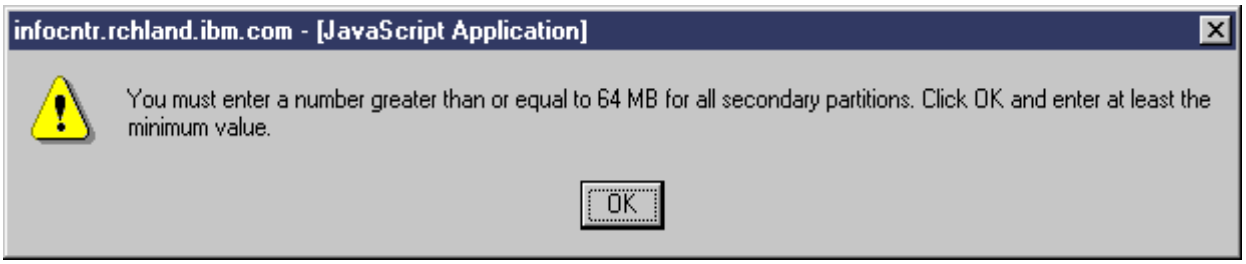
Back goes to Divide interactive workload.

Next goes to Divide disk storage.

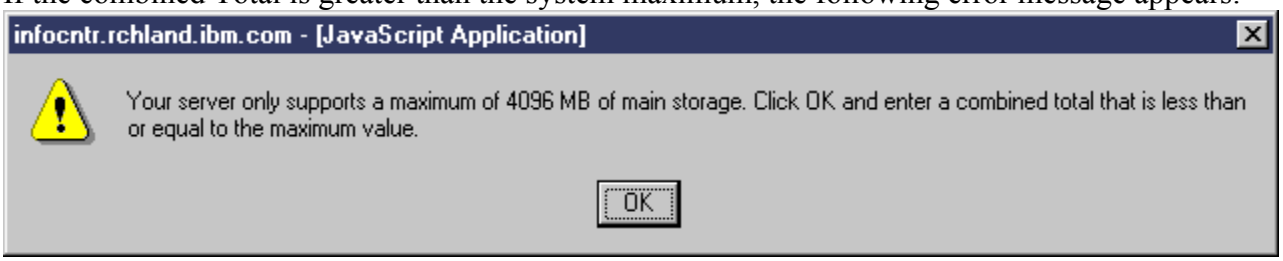
The advisor will not let the user enter a value less than 256 for partition 0. If they try, the following message appears. The advisor reenters the minimum value at this point and the user can try again.



The advisor will not let the user enter a value less than 64 for all other partitions. If they try, the following message appears. The advisor reenters the minimum value at this point and the user can try Again.



If the combined Total is greater than the system maximum, the following error message appears:



The advisor stores memory information for each partition, as well as the total memory selected and system maximum.

2.1.1.1 Panel: Divide disk storage

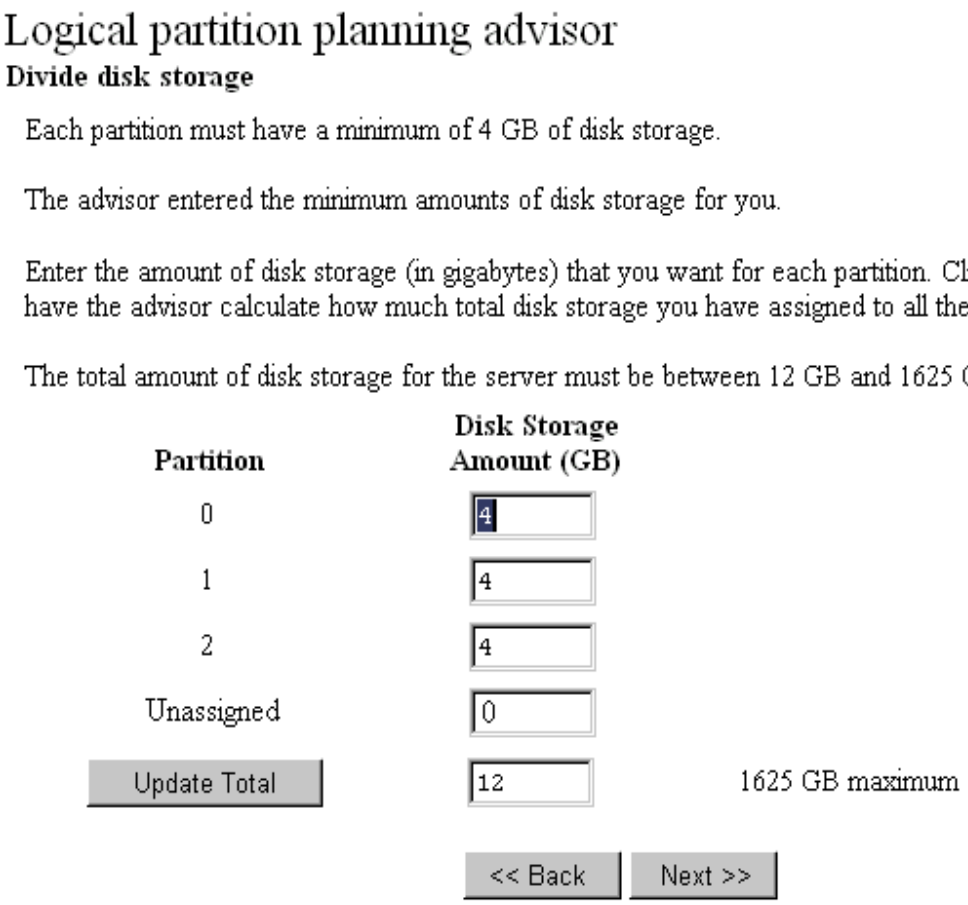


Figure 7: LPAR Planning Advisor - Divide disk storage Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Update Total button:

Description:	Calculates the total based on user supplied values.
Field type:	Button
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	N/A
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Displays the total in the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Partition text boxes:

Description:	Total disk storage for the partition in GB.
Field type:	Text boxes
Possible values:	4 through system maximum.
Default value:	4.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	These text boxes automatically total into the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Unassigned text box:

Description:	Left over disk storage.
Field type:	Text box
Possible values:	0 through system maximum minus partitions.
Default value:	Based on what is left over from other partitions.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	This text box automatically totals into the Total text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Total text box:

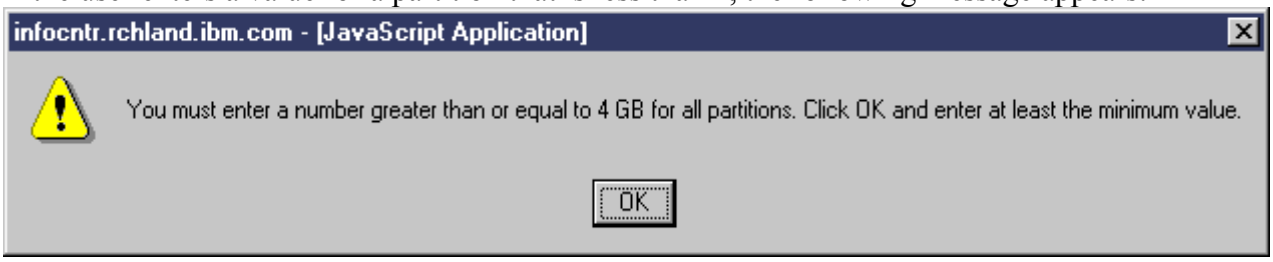
Description:	Total assigned disk storage in GB.
Field type:	Text box
Possible values:	8 through system maximum.
Default value:	based on minimums (from 8 to 128)
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Never
Conditions when enabled/disabled:	N/A
Relationship to other properties:	This text box is the total of the Partition text boxes and Unassigned text box.
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Divide memory.

Next goes to Select partition communications types.

If the user enters a value for a partition that is less than 4, the following message appears:



If the user enters a combined total that is greater than the system maximum, the following message appears:

The advisor stores disk storage information for each partition, as well as the total disk capacity selected and system maximum.

2.1.1.1 Panel: Select partition communications types

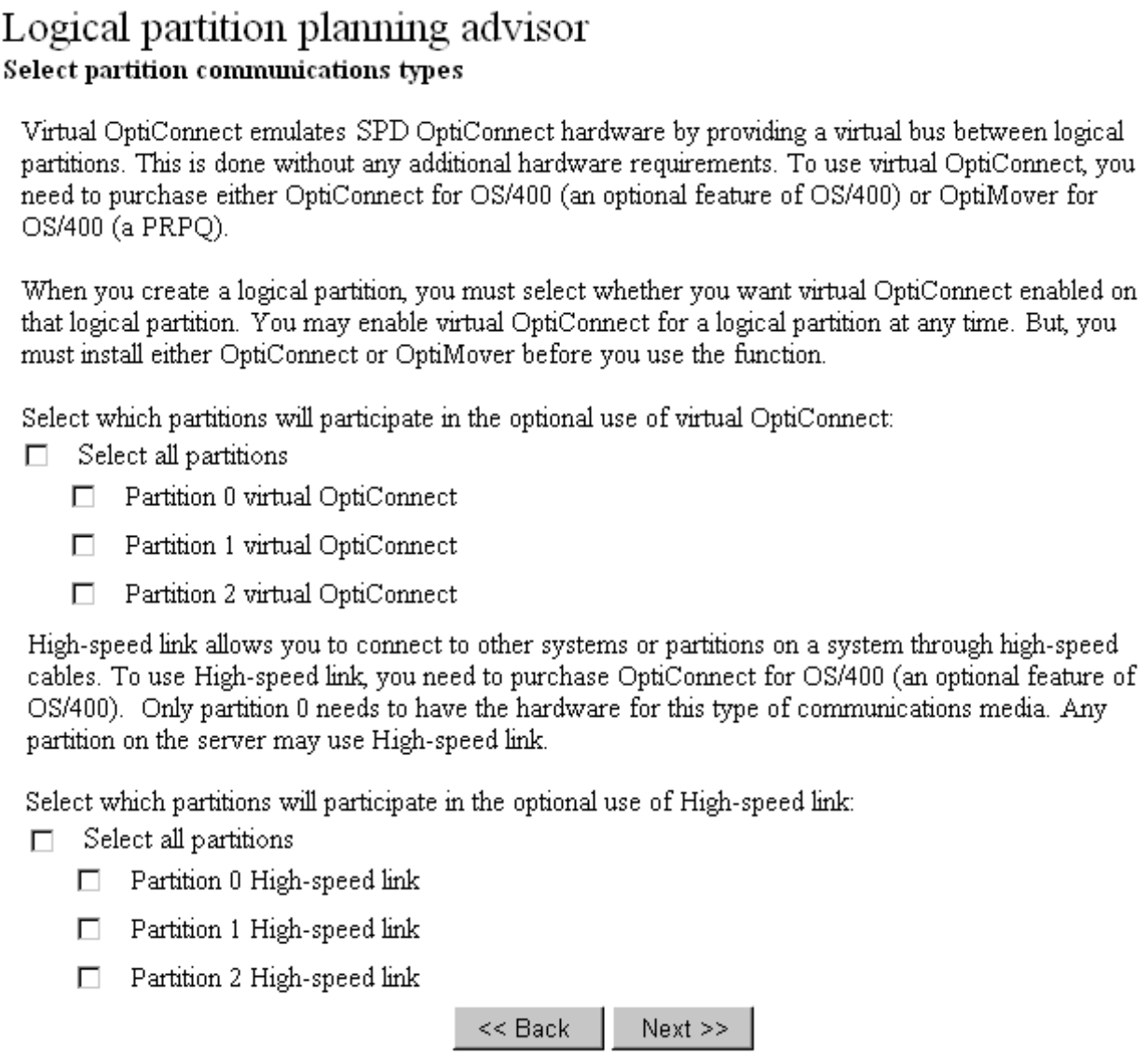


Figure 8: LPAR Planning Advisor - Select partition communication types Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Virtual OptiConnect check boxes:

Description:	User may select whether they plan to enable this.
Field type:	Check Boxes
Possible values:	N/A
Default value:	Not selected
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Only one check box for each partition appears.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Select all partitions check boxes:

Description:	One for virtual OptiConnect and one for HSL.
Field type:	Check Boxes
Possible values:	N/A
Default value:	Not selected
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	When selected, all check boxes below it (within the comm type) are selected. When deselected, all check boxes below it are unchecked.
Relationship to other properties:	Only one check box appears for each type.
DBCS considerations:	N/A
Other unique characteristics:	N/A

High-speed link check boxes:

Description:	User may select whether they plan to enable this.
Field type:	Check Boxes
Possible values:	N/A
Default value:	Not selected
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Only one check box for each partition appears.
DBCS considerations:	N/A
Other unique characteristics:	This check box (and associated text) only appears for the 8xx servers.

2.1.1.1.3 Behind the Panel

Back goes to Divide disk storage.

Next goes to Select IOP type for load source (partition 0).

Advisor stores virtual OptiConnect and HSL information for each partition.

2.1.1.1 Panel: Select IOP type for load source

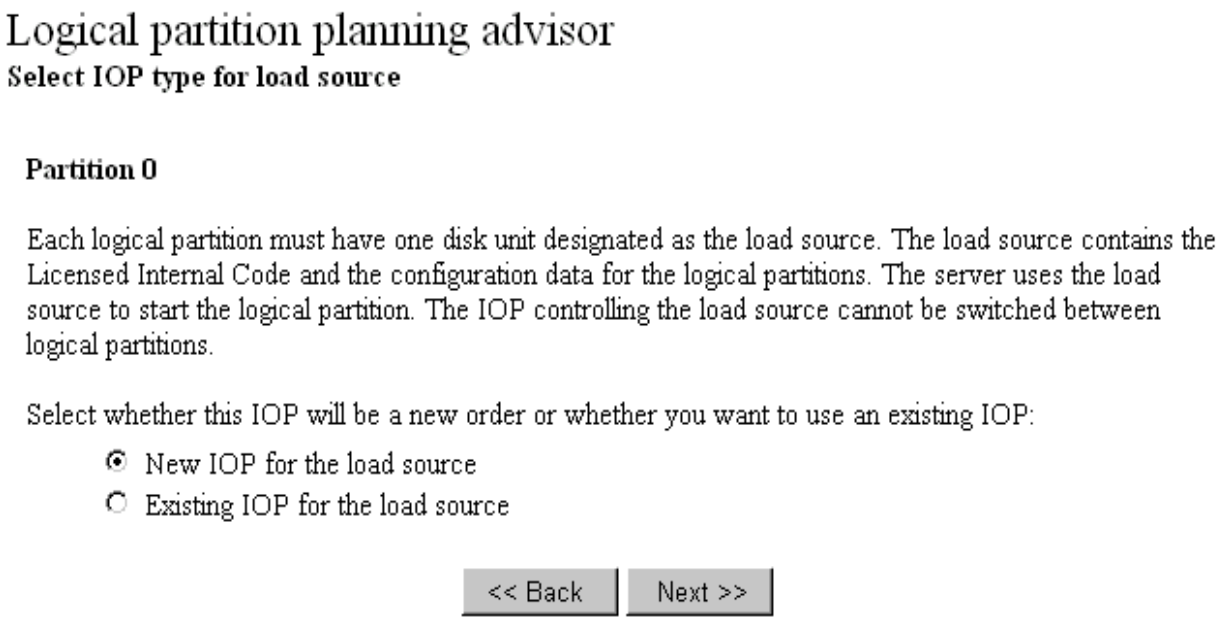


Figure 9: LPAR Planning Advisor - Select IOP type for load source Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether this is new or existing hardware.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	New
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select partition communications types if this is for partition 0, or Partition summary if any other partition.

Next goes to Select feature code for IOP for load source.

This panel starts a large loop that happens for each partition. The advisor must remember what partition this hardware is for and store the selection in the appropriate place.

2.1.1.1 Panel: Select feature code for IOP for load source

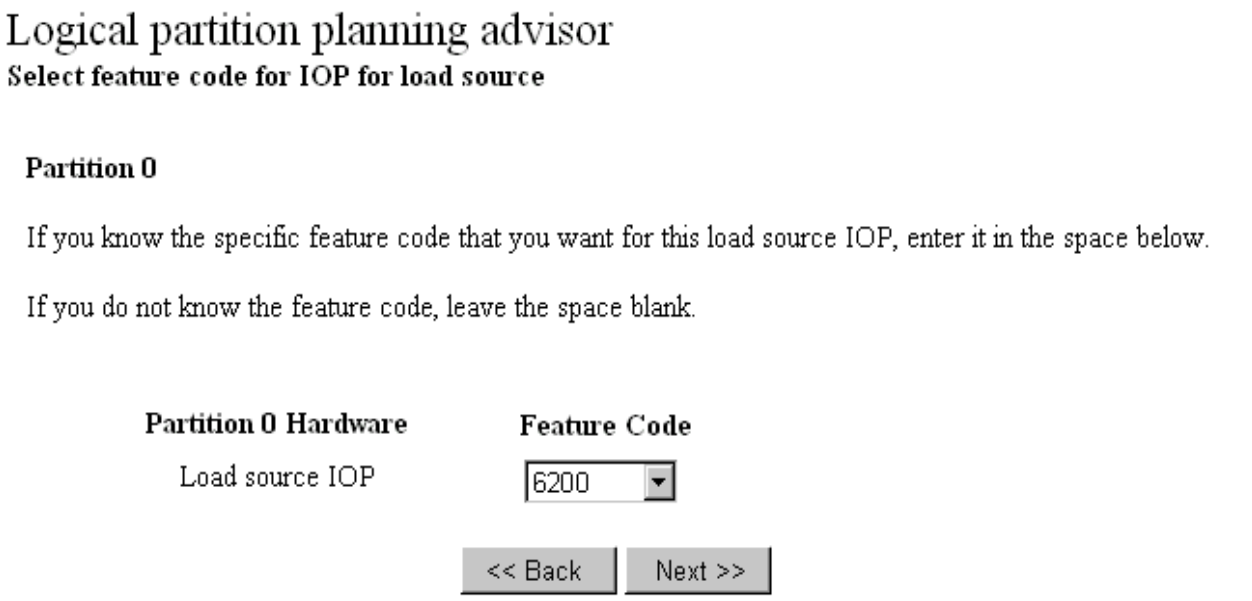


Figure 10: LPAR Planning Advisor - Select feature code for IOP for load source Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Feature code drop-down list:

Description:	User must select a feature code for the hardware
Field type:	Drop-Down List
Possible values:	N/A
Default value:	The first one in the list.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A

DBCS considerations:	N/A
Other unique characteristics:	Only allowed feature codes will be displayed.

2.1.1.1.3 Behind the Panel

Back goes to Select IOP type for load source.

Next goes to Select IOP type for alternate restart device, Select IOP type for console, Use electronic customer support, or Add additional hardware. Which one depends on whether the device was set to be switched for this partition from a previous partition. Partition 0 will always go to Select IOP type for alternate restart device.

The advisor stores the feature code selected.

2.1.1.1 Panel: Select IOP type for alternate restart device

Logical partition planning advisor

Select IOP type for alternate IPL device

Partition 0

The media in this device is what the system uses to start from when you perform a D source IPL. The alternate IPL device loads the Licensed Internal Code contained on the removable media instead of the code on the load source. It may also install OS/400 on the system.

Valid alternate IPL devices attached to this IOP are tape devices and optical devices (CD-ROM, for example).

Select whether this IOP will be a new order or whether you want to use an existing IOP:

- (•) New IOP for the alternate IPL device
- ( ) Existing IOP for the alternate IPL device

<< Back | Next >>

Figure 11: LPAR Planning Advisor - Select IOP type for alternate restart device Panel

2.1.1.1.1 Push buttons

Push button	Results

< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether this is new or existing hardware.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	New
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select feature code for IOP for load source.

Next goes to Select feature code for IOP for alternate restart device.

The advisor stores the selection for this hardware in this partition.

2.1.1.1 Panel: Select feature code for IOP for alternate restart device

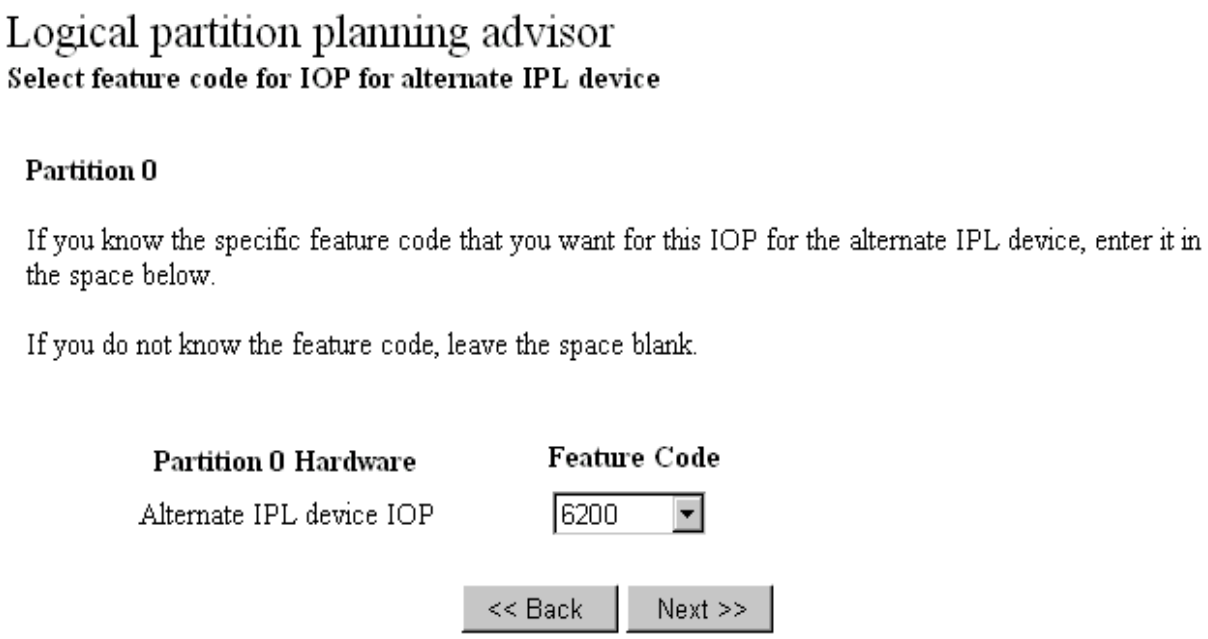


Figure 12: LPAR Planning Advisor - Select feature code for IOP for alternate restart device Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Feature code drop-down list:

Description:	User must select a feature code for the hardware
Field type:	Drop-Down List
Possible values:	N/A
Default value:	The first one in the list.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A

Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	Only allowed feature codes will be displayed.

2.1.1.1.3 Behind the Panel

Back goes to Select IOP type for alternate restart device.

Next goes to Select switchable IOP for alternate restart device.

The advisor stores the feature code selected.

2.1.1.1 Panel: Select switchable IOP for alternate restart device

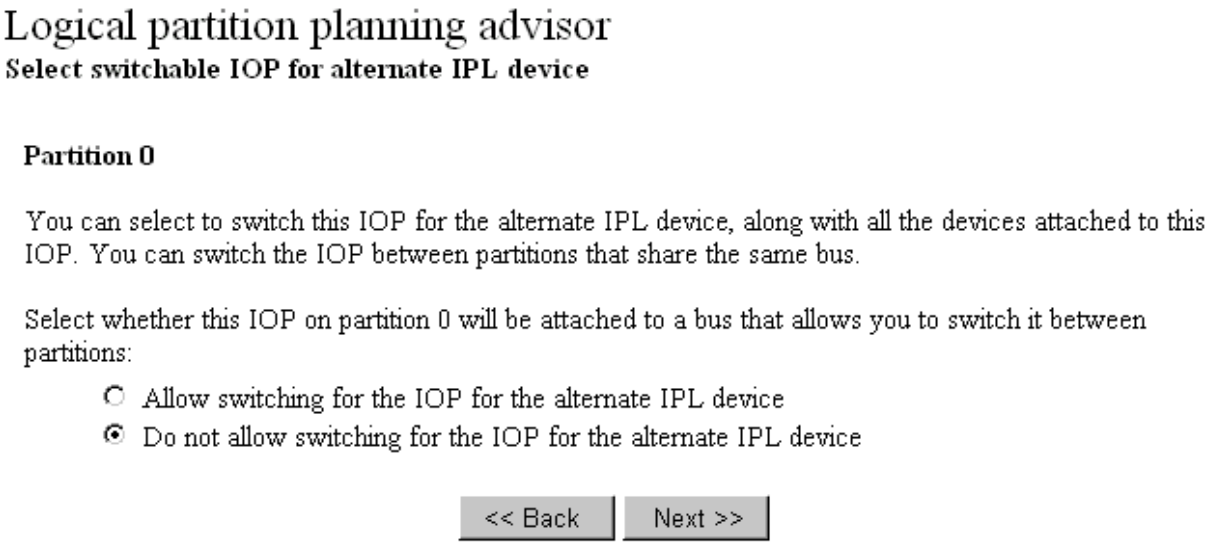


Figure 13: LPAR Planning Advisor - Select switchable IOP for alternate restart device Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether to allow switching or not.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Do not allow switching
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select feature code for IOP for alternate restart device.

Next is as follows:

Switching?	Previous	Next Panel
Yes	N/A	Select switching partitions for IOP for alternate restart device
No	Console no switch	Select IOP type for console
	Console switch, ECS no switch or still available	Use electronic customer support
	Console and ECS switch	Add additional hardware

2.1.1.1 Panel: Select switching partitions for IOP for alternate restart device

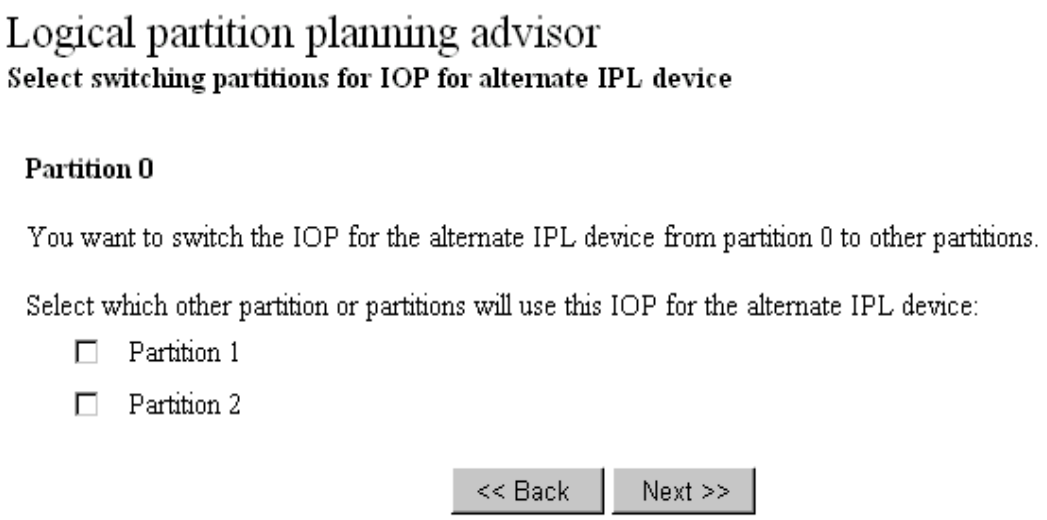


Figure 14: LPAR Planning Advisor - Select switching partitions for IOP for alternate restart device Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Partition check boxes:

Description:	User can select which partitions will be using this.
Field type:	Check Boxes
Possible values:	N/A

Default value:	None checked
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	All partitions except the current one show up.
DBCS considerations:	N/A
Other unique characteristics:	If the user does not select any partitions, the Advisor assumes that the device will not be switched.

2.1.1.1.3 Behind the Panel

Back goes to Select switchable IOP for alternate restart device.

Next is as follows:

Previous	Next Panel
Console no switch	Select IOP type for console
Console switch, ECS no switch or still available	Use electronic customer support
Console and ECS switch	Add additional hardware

The advisor stores which partitions are selected to switch for this hardware. The user will not be asked about this hardware in the relevant switched partitions.

2.1.1.1 Panel: Select IOP type for console

Logical partition planning advisor

Select IOP type for console

Partition 0

Each logical partition must have a console attached to it through an IOP. The console is the first workstation that the system activates. The system assumes that this console will always be available for use. You can access the dedicated service tools (DST) display only from this console.

Select whether this IOP will be a new order or whether you want to use an existing IOP:

- (•) New IOP for the console
- ( ) Existing IOP for the console

< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether this is new or existing hardware.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	New
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back is as follows:

Switching alternate restart device?	Previous	Next Panel
Yes	Alternate restart device no switch	Select switching partitions for IOP for alternate restart device
No	Alternate restart device no switch	Select switchable IOP for alternate restart device
	Alternate restart device switch	Select feature code for IOP for load source

Next goes to Select feature code for IOP for console.

The advisor stores the selection for this hardware in this partition.

2.1.1.1 Panel: Select feature code for IOP for console

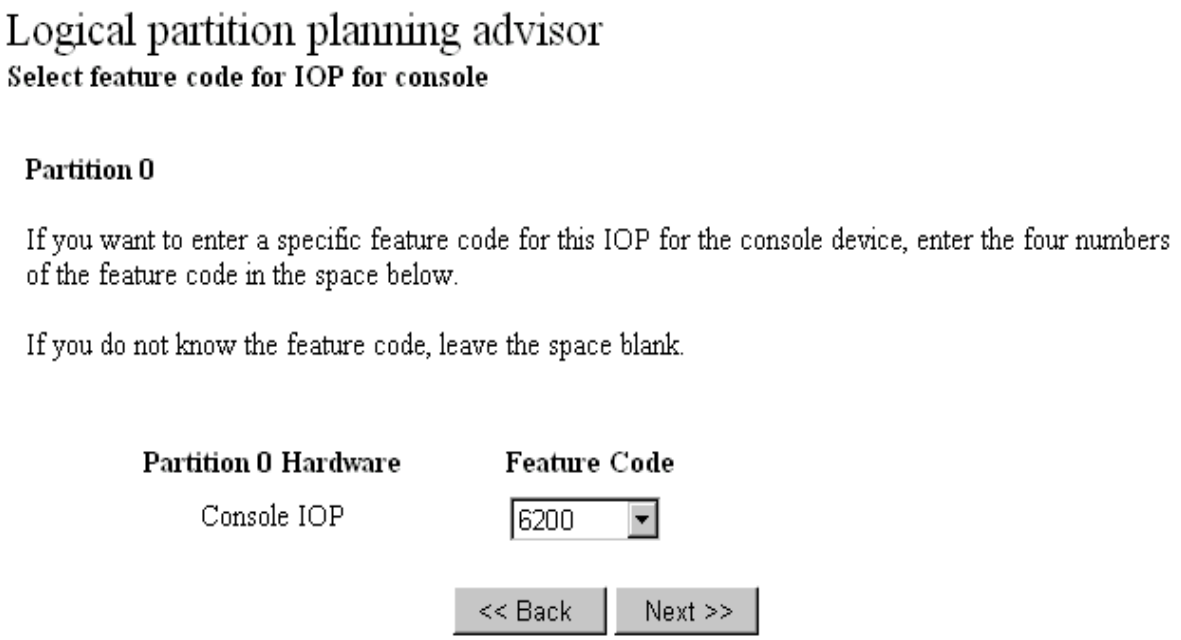


Figure 16: LPAR Planning Advisor - Select feature code for IOP for console Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Feature code drop-down list:

Description:	User must select a feature code for the hardware
Field type:	Drop-Down List
Possible values:	N/A
Default value:	The first one in the list.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	Only allowed feature codes will be displayed.

2.1.1.1.3 Behind the Panel

Back goes to Select IOP type for console.

The advisor stores the feature code selected.

Next is as follows:

Previous	Next Panel
ECS no switch, still available	Use electronic customer support
ECS switch	Add additional hardware

2.1.1.1 Panel: Use electronic customer support

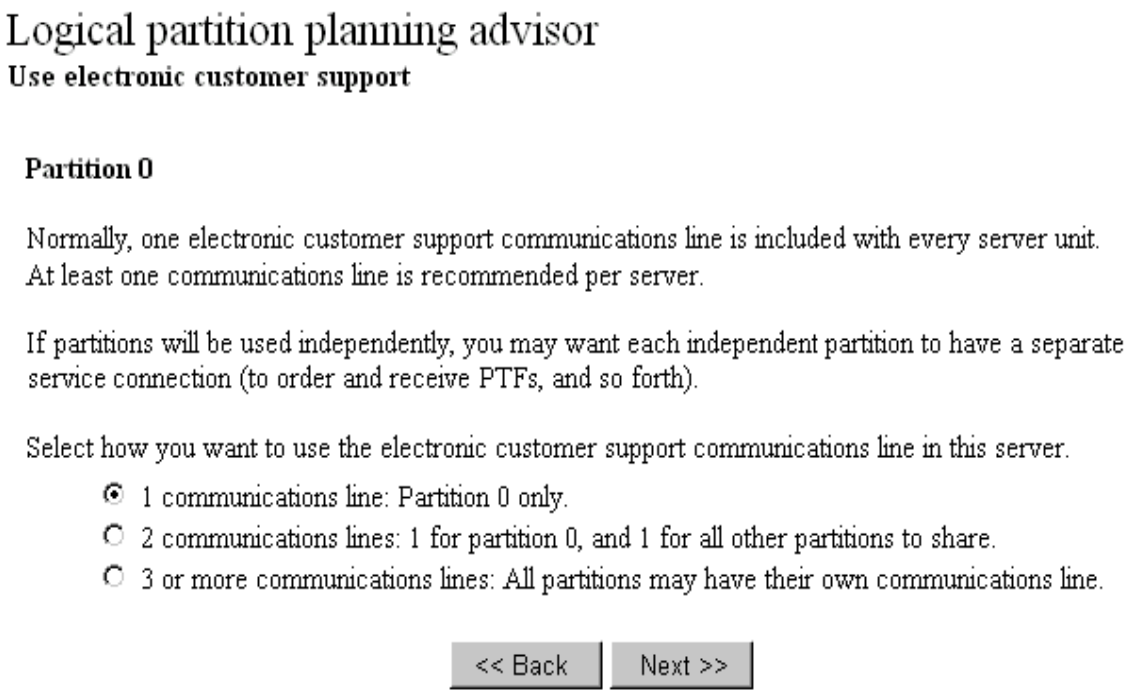


Figure 17: LPAR Planning Advisor - Use electronic customer support Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Radio button group 1:

Description:	User must select how to implement ECS on the server if this is partition 0. Other partitions either will not have radio buttons or will select whether to have or not.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Partition 0 only, or Yes.
Formatting and length restrictions:	N/A

Required or optional: Required
Conditions when editable/not editable: N/A
Conditions when enabled/disabled: Enabled if partition 0, or selected to have more than 2.
Relationship to other properties: If the user only has two partitions, only 2 radio buttons appear.
DBCS considerations: N/A
Other unique characteristics: N/A

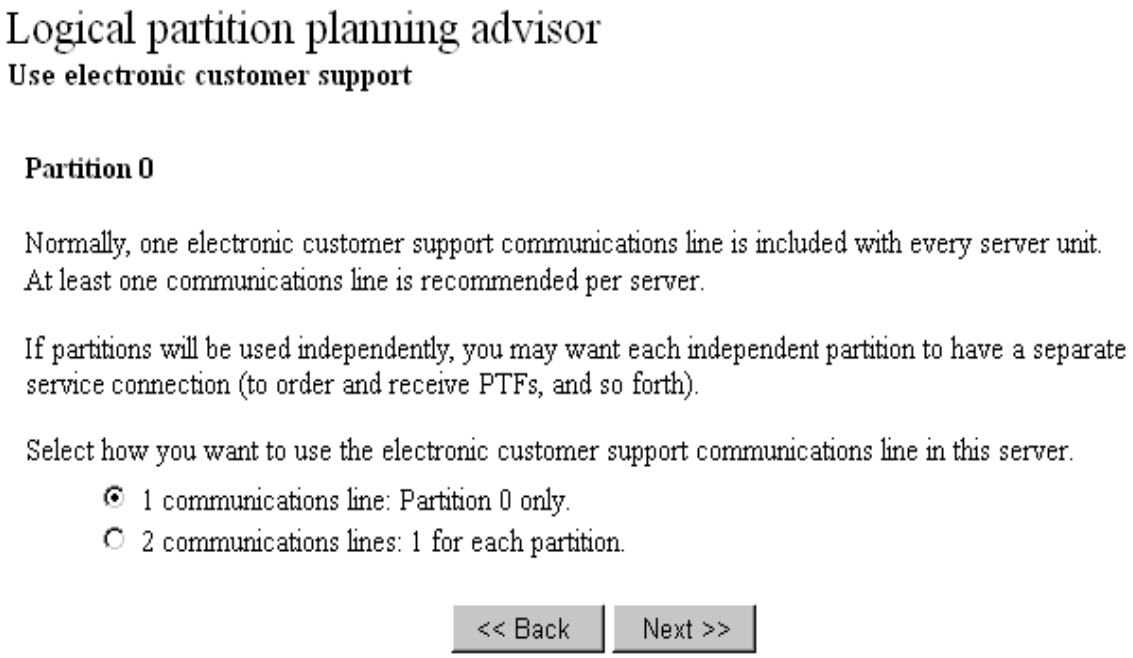
2.1.1.1.3 Behind the Panel

Back goes to Select feature code for IOP for console.

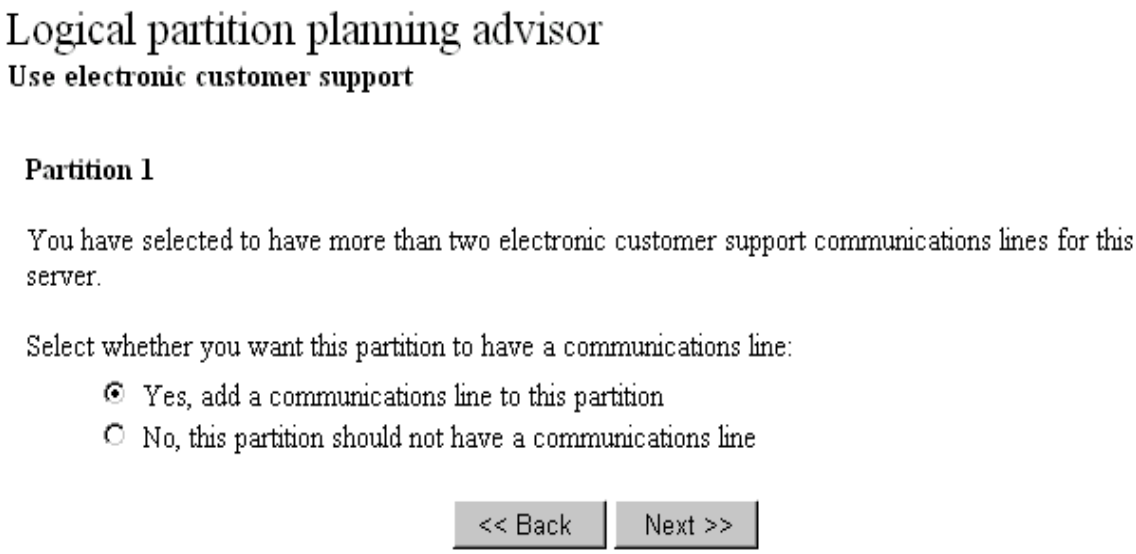
Next is as follows:

Partition	Selection	Next Panel
0	Any radio button	Select IOP type for electronic customer support
1	Only 2 ECS lines	Select IOP type for electronic customer support
	>2 lines and part 0 not sharing	Select IOP type for electronic customer support
	>2 lines and part 0 sharing	Add additional hardware
Others	If >2 lines and 1 is available	Select IOP type for electronic customer support
	Others	Add additional hardware

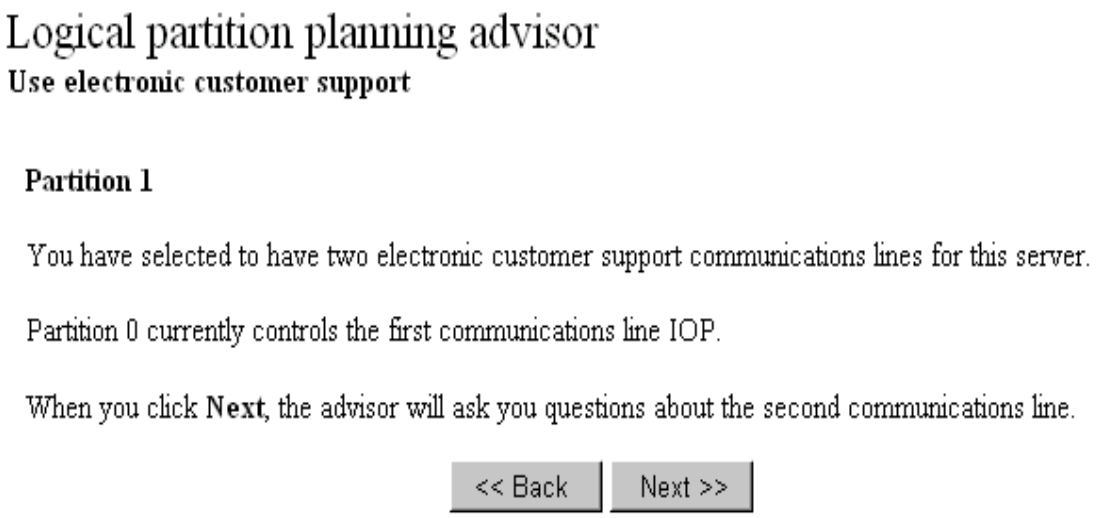
If the user only has two partitions, the following radio buttons display:



If the user selected to have more than 2 ECS, the following panel displays on subsequent partitions:



If the user selected to have 2 communication lines, the following displays for partition 1:



2.1.1.1 Panel: Select IOP type for electronic customer support

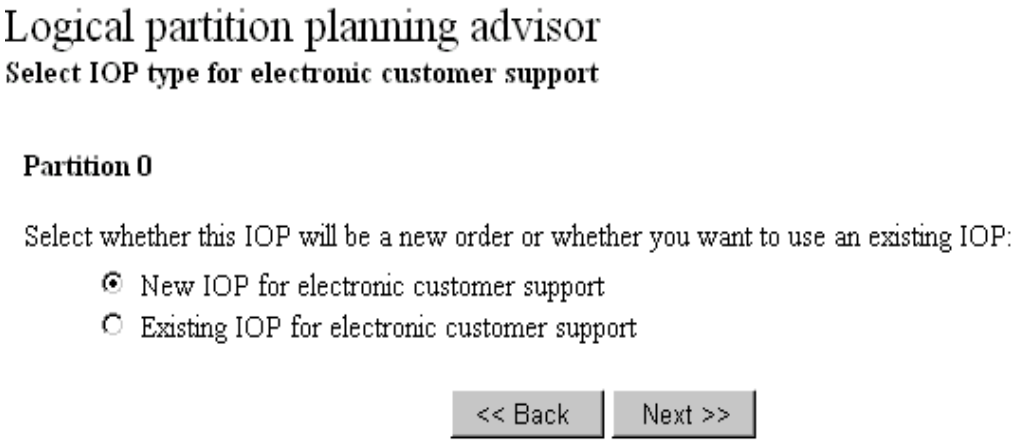


Figure 20: LPAR Planning Advisor - Select IOP type for electronic customer support Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.

<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Radio button group 1:

Description:	User must select whether this is new or existing.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	New
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Use electronic customer support.

Next goes to Select feature code for IOP for electronic customer support.

The advisor stores the selection for this hardware in this partition.

2.1.1.1 Panel: Select feature code for IOP for electronic customer support

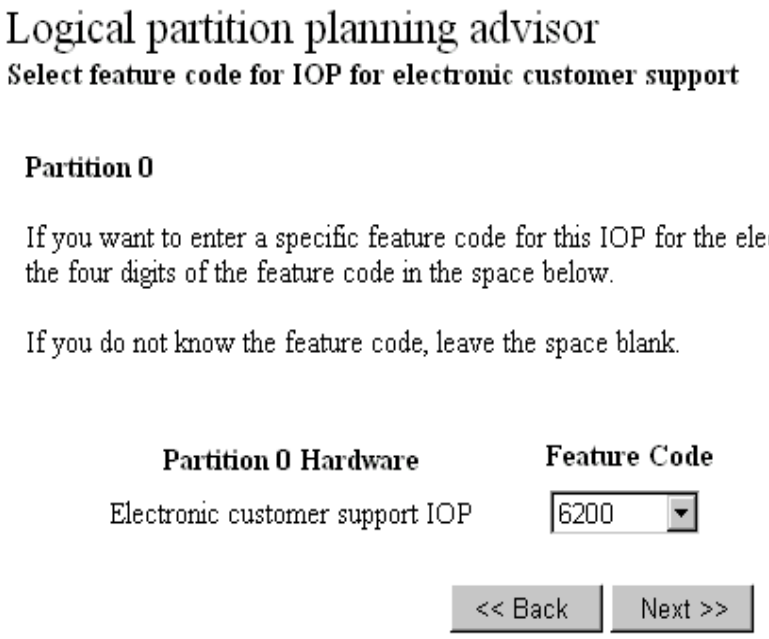


Figure 21: LPAR Planning Advisor - Select feature code for IOP for electronic customer support Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Feature code drop-down list:

Description:	User must select a feature code for the hardware
Field type:	Drop-Down List
Possible values:	N/A
Default value:	The first one in the list.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A

Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	Only allowed feature codes will be displayed.

2.1.1.1.3 Behind the Panel

Back goes to Select IOP type for electronic customer support.

Next goes to Select switchable IOP for electronic customer support if not partition 0. If partition 0, Next goes to Add additional hardware.

The advisor stores the feature code selected.

2.1.1.1 Panel: Select switchable IOP for electronic customer support

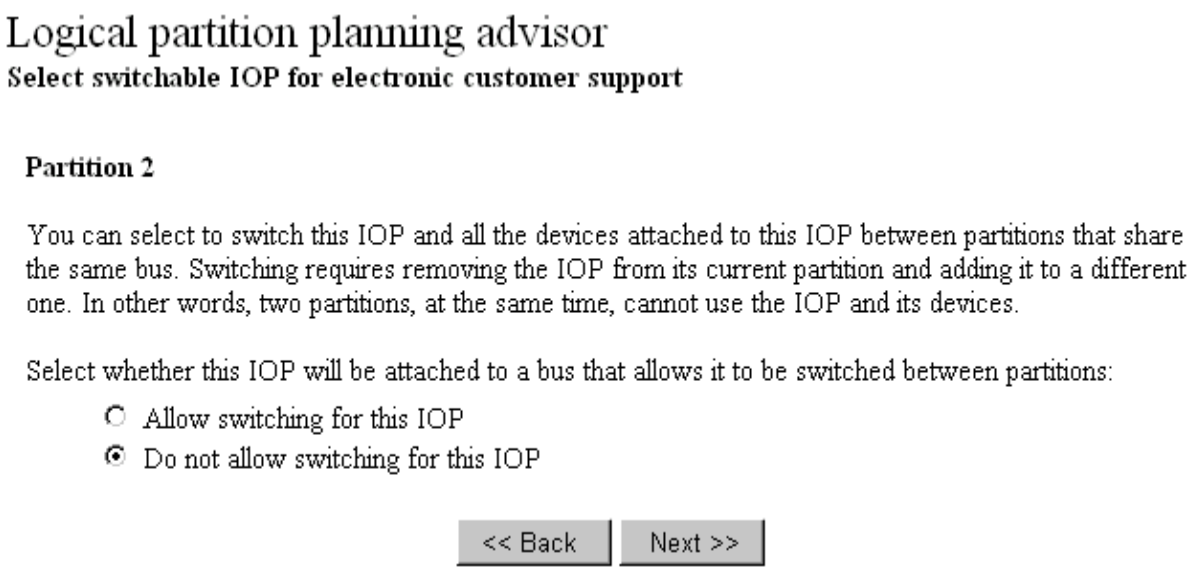


Figure 18: LPAR Planning Advisor - Select switchable IOP for electronic customer support Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.

Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether to allow switching or not.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Do not allow switching
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select feature code for IOP for electronic customer support.

Next is as follows:

Switching?	Next Panel
Yes	Select switching partitions for IOP for electronic customer support
No	Add additional hardware

2.1.1.1 Panel: Select switching partitions for IOP for electronic

customer support

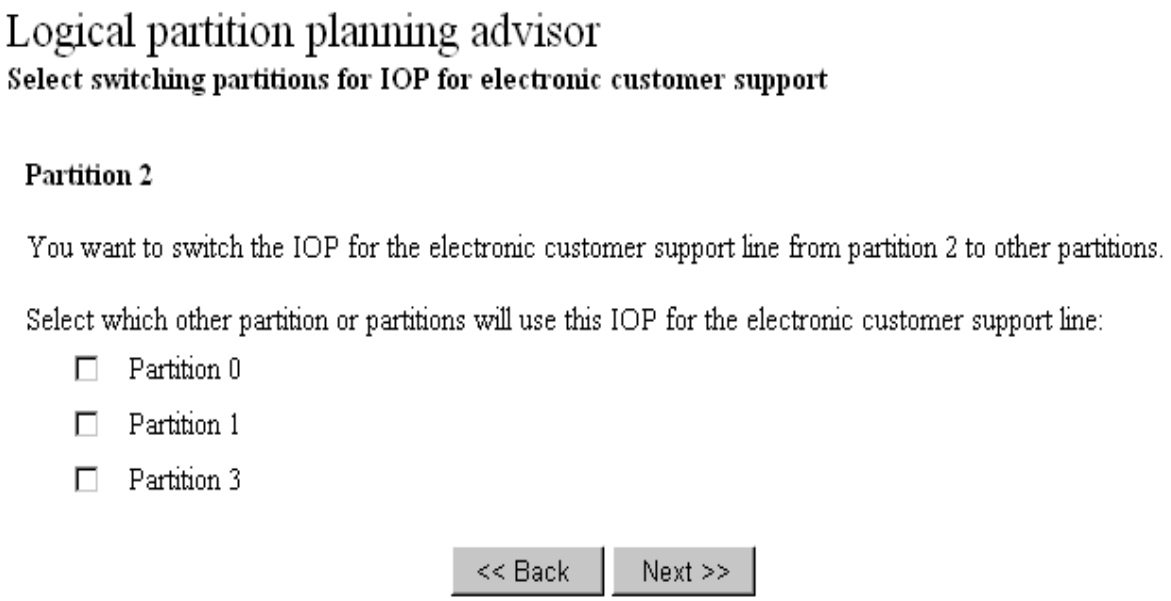


Figure 19: LPAR Planning Advisor - Select switching partitions for IOP for electronic customer support Panel

2.1.1.1.1 Push buttons

Push button	Results
< Back	Displays the previous advisor panel.
Next >	Displays the next advisor panel.

2.1.1.1.2 Properties

Partition check boxes:

Description:	User can select which partitions will be using this.
Field type:	Check Boxes
Possible values:	N/A
Default value:	None checked
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A

Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	If the user does not select any partitions, the Advisor assumes that the device will not be switched.

2.1.1.1.3 Behind the Panel

Back goes to Select switchable IOP for electronic customer support.

Next goes to Add additional hardware.

The advisor stores which partitions are selected to switch for this hardware. The user will not be asked about this hardware in the relevant switched partitions.

2.1.1.1 Panel: Add additional hardware

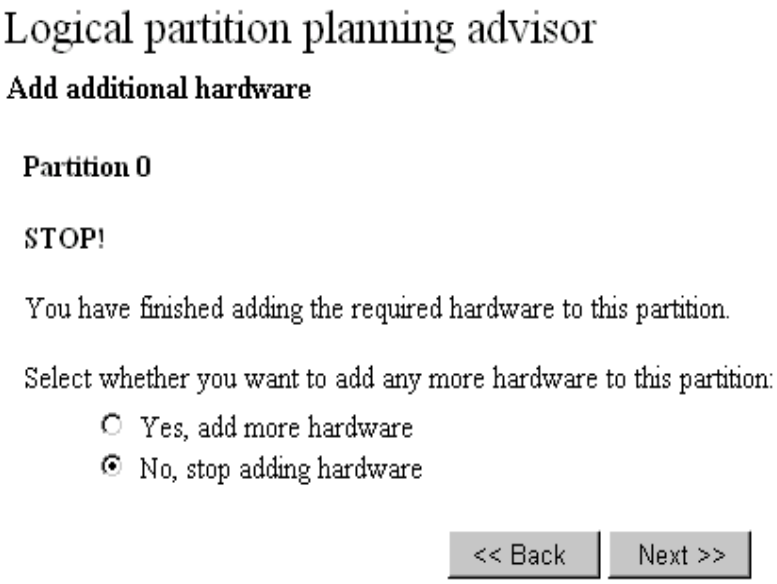


Figure 20: LPAR Planning Advisor - Add additional hardware Panel

2.1.1.1.1 Push buttons

Push button	Results

Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether to add more hardware.
Field type:	Radio button
Possible values:	N/A
Default value:	No
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	Changes to default to Yes if add before in this partition.

2.1.1.1.3 Behind the Panel

Back is as follows:

Switching?	Previous	Next Panel
Add hardware	N/A	Select switching partitions for IOP for ------- (additional hardware name)
Add hardware no	N/A	Select switchable IOP for ------- (additional hardware name)
ECS	ECS no switch	Select switching partitions for IOP for electronic customer support

ECS no		Select switchable IOP for electronic customer support
Console no	ECS switch Console no switch	Select feature code for IOP for console

If Yes is selected, Next is Select hardware type for additional hardware. Otherwise, Next is Select type of disk protection.

The advisor stores the number of times hardware is added. This starts another small loop within the big loop for each partition. This loops infinitely depending on the user.

2.1.1.1 Panel: Select hardware type for additional hardware

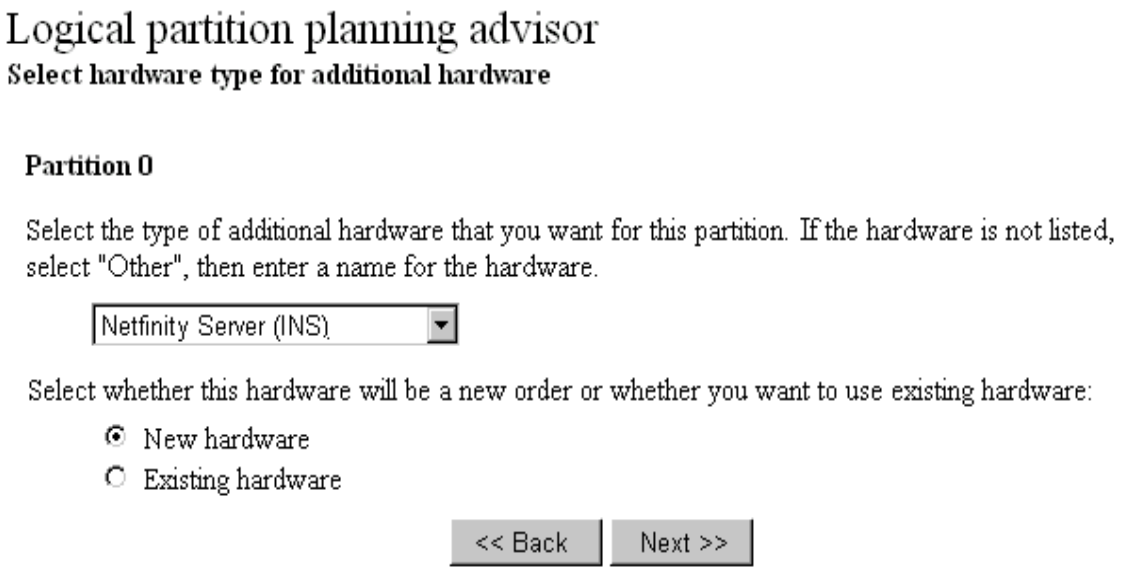


Figure 21: LPAR Planning Advisor - Select hardware type for additional hardware Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Additional hardware drop-down list:

Description: User must select the type of additional hardware.
Field type: Drop-down List
Possible values: Netfinity Server (INS), IPCS/100 Mbps Ethernet, 100 Mbps Ethernet, 10 Mbps Ethernet, 16 Mbps Token Ring, 155 Mbps ATM, Frame Relay, Communications (Controller), Communications (V.24), Communications (X.21), Communications (ATM), Communications (FDDI), Disk Controller, Storage (tape device), Storage (optical device), Workstation (twinaxial), SPD OptiConnect, Other
Default value: Netfinity Server (IPCS)
Formatting and length restrictions: N/A
Required or optional: Required.
Conditions when editable/not editable: N/A
Conditions when enabled/disabled: N/A
Relationship to other properties: The selected hardware name shows up on the subsequent add hardware pages.
DBCS considerations: N/A
Other unique characteristics: N/A

Radio Button Group 1:

Description: User must select whether this is new or existing hardware.
Field type: Radio Buttons
Possible values: N/A
Default value: New
Formatting and length restrictions: N/A
Required or optional: Required.
Conditions when editable/not editable: N/A
Conditions when enabled/disabled: N/A
Relationship to other properties: N/A
DBCS considerations: N/A
Other unique characteristics: N/A

2.1.1.1.3 Behind the Panel

Back goes to Add additional hardware. The number of added hardware is decreased by one.

If Other is selected, Next is Enter name for additional hardware. Otherwise, Next is Select feature code for IOP for --- --- -- (hardware name).

The advisor stores the selections.

2.1.1.1 Panel: Enter name for additional hardware

Figure 22: LPAR Planning Advisor - Enter name for additional hardware Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Name text box:

Description: User must supply a name for this “Other” hardware.
Field type: Text Box

Possible values:	User supplied.
Default value:	Other
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select hardware type for additional hardware.

Next goes to Select feature code for IOP for -- - --- - (hardware name).

The advisor will not let the user go on until a name of at least one character is entered.

The advisor stores the name associated with this additional hardware.

2.1.1.1 Panel: Select feature code for IOP for -- - --- - (hardware name)

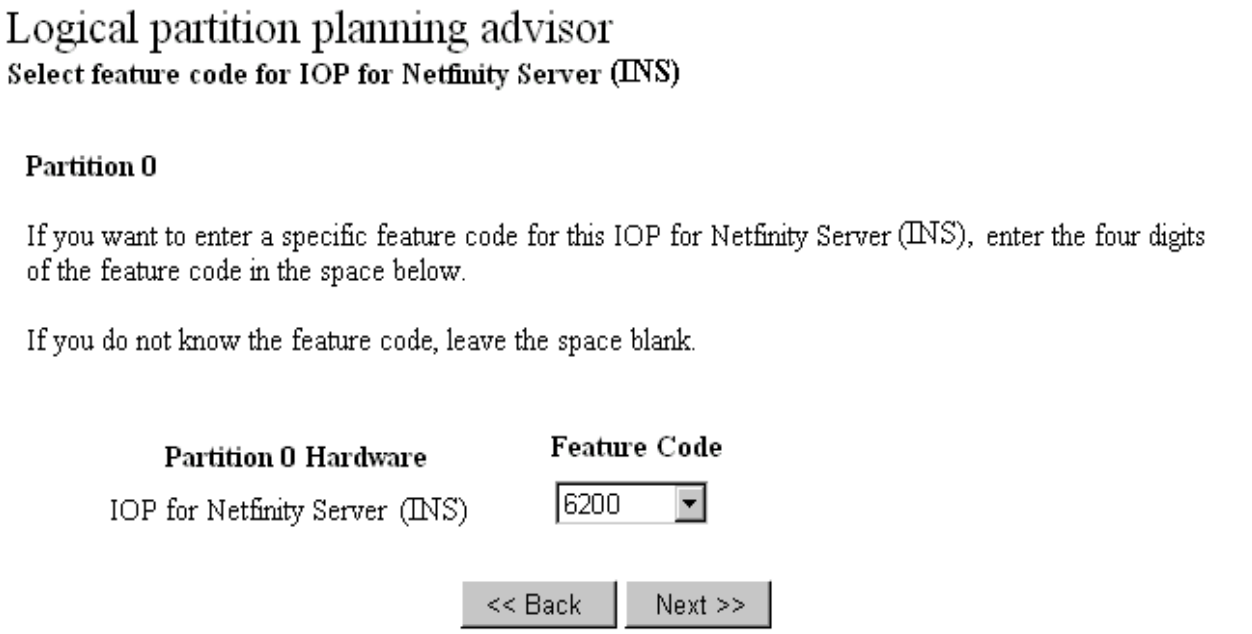


Figure 23: LPAR Planning Advisor - Select feature code for IOP for -- - --- - (hardware name) Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Feature code drop-down list:

Description:	User must select a feature code for the hardware
Field type:	Drop-Down List
Possible values:	N/A
Default value:	The first one in the list.
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A

Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	Only allowed feature codes will be displayed.

2.1.1.1.3 Behind the Panel

If the user supplied a name, Back goes to Enter name for additional hardware. Otherwise, Back goes to Select hardware type for additional hardware.

Next goes to Select quantity for -- --- ---- (hardware name).

The advisor stores the selected feature code for this hardware.

2.1.1.1 Panel: Select quantity for -- --- ---- (hardware name)

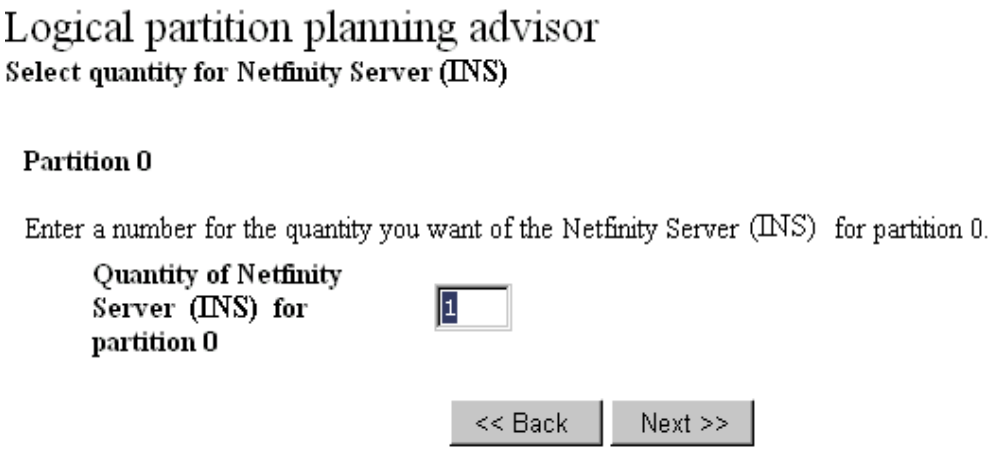


Figure 24: LPAR Planning Advisor - Select quantity for -- --- ---- (hardware name) Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Quantity text box:

Description:	User must supply a whole number quantity.
Field type:	Text Box
Possible values:	N/A
Default value:	1
Formatting and length restrictions:	Only allow up to 9999. Not less than 1.
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select feature code for IOP for -- --- ---- (hardware name).

Next goes to Select switchable IOP for -- --- ---- (hardware name).

If an invalid quantity is entered, the following displays:

2.1.1.1 Panel: Select switchable IOP for -- --- ---- (hardware name)

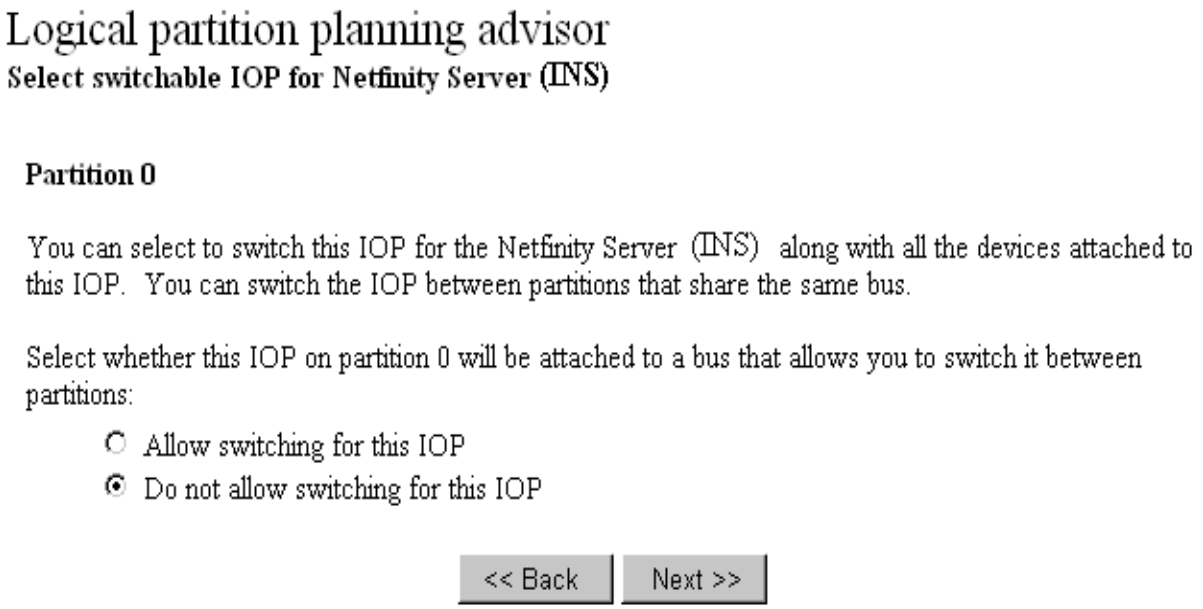


Figure 29: LPAR Planning Advisor - Select switchable IOP for -- --- ---- (hardware name) Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether to allow switching or not.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Do not allow switching
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A

DBCS considerations: N/A
Other unique characteristics: N/A

2.1.1.1.3 Behind the Panel

Back goes to Select quantity for -- --- ---- (hardware name).

If Yes is selected, Next goes to Select switching partitions for -- --- ---- (hardware name). Otherwise, Next goes to Add additional hardware.

2.1.1.1 Panel: Select switching partitions for IOP for -- --- ---- (hardware name)

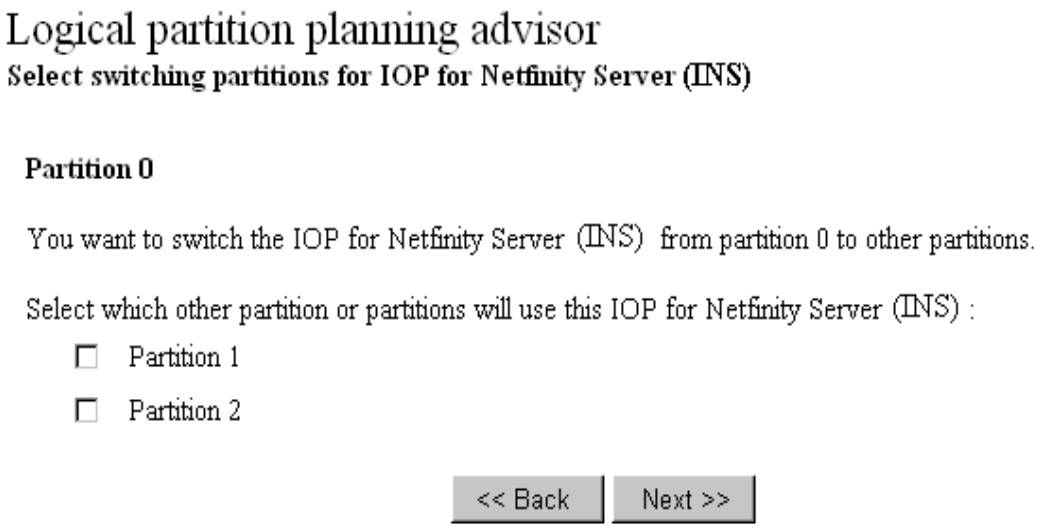


Figure 30: LPAR Planning Advisor - Select switching partitions for IOP for -- --- ---- (hardware name) Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Partition check boxes:

Description:	User can select which partitions will be using this.
Field type:	Check Boxes
Possible values:	N/A
Default value:	None checked
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	If the user does not select any partitions, the Advisor assumes that the device will not be switched.

2.1.1.1.3 Behind the Panel

Back goes to Select switchable IOP for -- --- ---- (hardware name).

Next goes to Add additional hardware.

The advisor stores which partitions are selected to switch for this hardware. The user will not be asked about this hardware in the relevant switched partitions.

2.1.1.1 Panel: Select type of disk protection

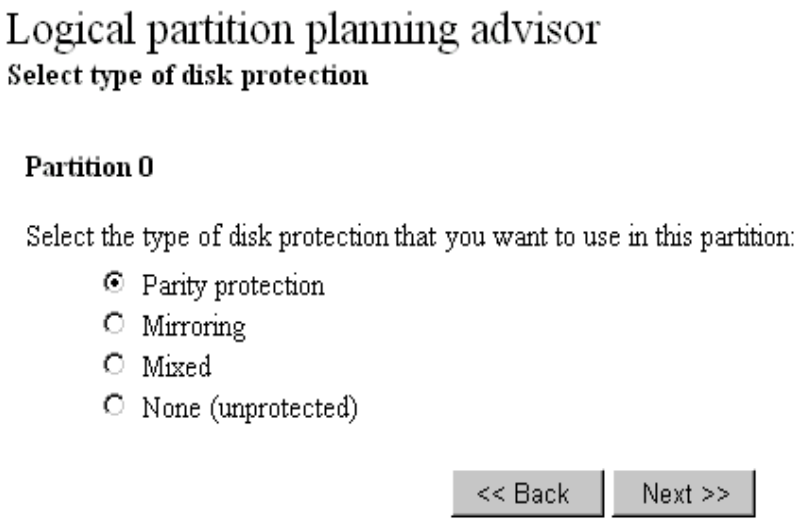


Figure 25: LPAR Planning Advisor - Select type of disk protection Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select one of the types of protection.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Parity Protection
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Add additional hardware.

Next goes to Select disk unit type.

The advisor stores the selected radio button and the selected type of disk protection for this partition.

2.1.1.1 Panel: Select disk unit type

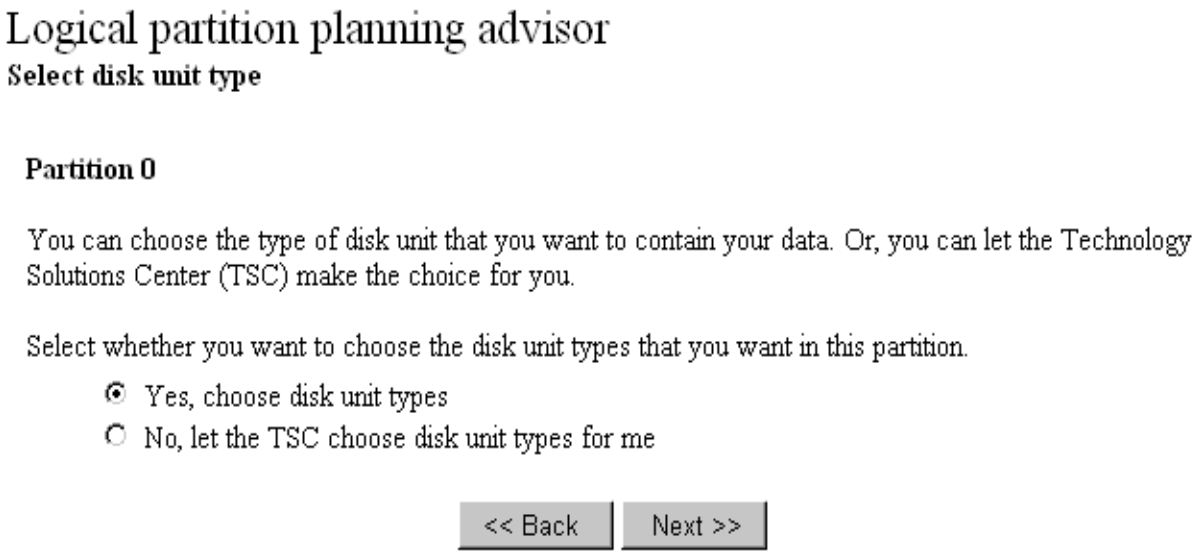


Figure 32: LPAR Planning Advisor - Select disk unit type Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Radio Button Group 1:

Description:	User must select whether to assign specific disk unit types to this partition.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Yes
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Select type of disk protection

If Yes is selected, Next goes to Assign disk unit types. Otherwise, Next goes to Partition summary.

The advisor stores the selected value.

2.1.1.1 Panel: Assign disk unit types

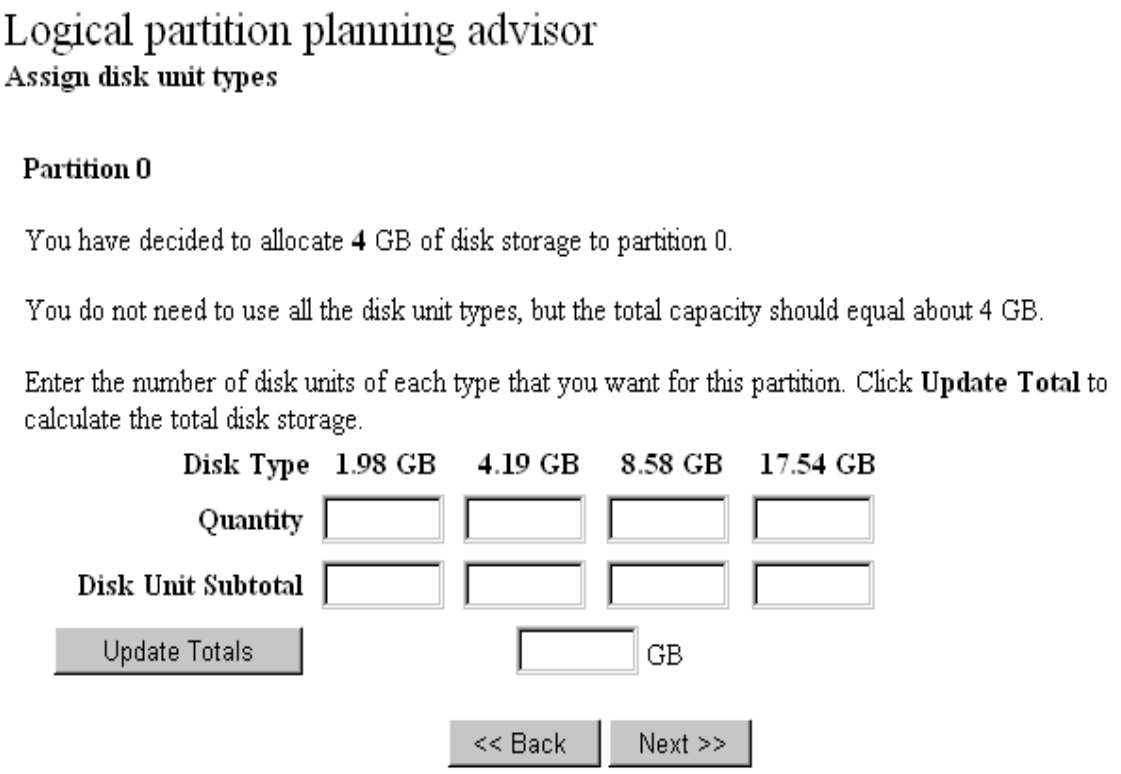


Figure 26: LPAR Planning Advisor - Assign disk unit types Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 **Properties**

Update Totals button:

Description:	Calculates the total based on the subtotals.
Field type:	Button
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	N/A
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Updates the Total text box with the combined total.
DBCS considerations:	N/A
Other unique characteristics:	N/A

Quantity text boxes:

Description:	User may enter a quantity for each type of disk unit.
Field type:	Text Boxes
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	Always
Conditions when enabled/disabled:	N/A
Relationship to other properties:	The quantity times the disk type equal the Subtotal.
DBCS considerations:	N/A
Other unique characteristics:	Only whole numbers allowed. Automatically updates subtotal value.

Disk Unit Subtotal text boxes:

Description:	Provides the subtotal based on the quantity entered.
Field type:	Text Boxes
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	N/A
Conditions when editable/not editable:	Never
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Contains the subtotal for the disk unit type.
DBCS considerations:	N/A
Other unique characteristics:	If user tries to enter anything, it is ignored and recalculated. Automatically updates Total value.

Total text box:

Description:	Provides the total based on the sum of the subtotals.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	N/A
Conditions when editable/not editable:	Never
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Contains the total of the subtotals.
DBCS considerations:	N/A

Other unique characteristics: If user tries to enter anything, it is ignored and recalculated.

2.1.1.1.3 Behind the Panel

Back goes to Select disk unit type.

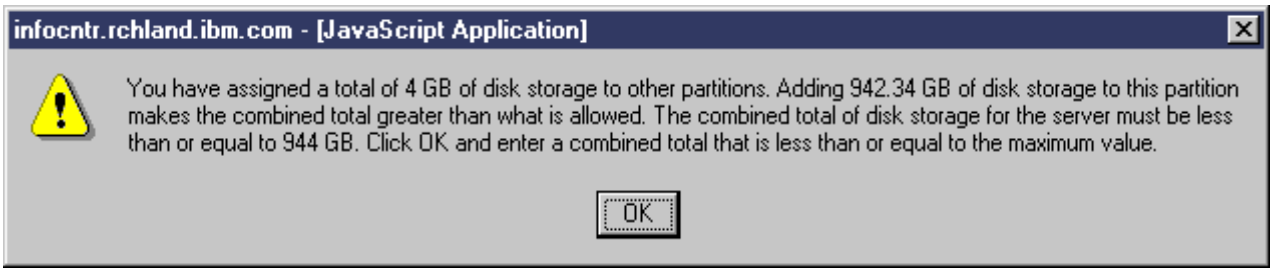
Next goes to Partition summary.

If the total is different than what the user supplied in Divide disk storage, the following appears:

If the user clicks OK, the total is adjusted as indicated. Otherwise, the user can try again.

If the total is greater than the system maximum, the following appears:

If the total in this partition plus the total in other partitions exceeds the system maximum, the following displays:



The advisor stores the total and the quantity and subtotal for each disk unit that has at least 1 quantity.

If the user does not enter any quantities, or they are all 0, the Advisor assumes that they want the TSC to decide.

2.1.1.1 Panel: Partition summary

Logical partition planning advisor

Partition summary

Partition 0

You have created a partition with the following hardware:

Partition 0 Work Sheet

Partition	Number of Processors	Main Storage	Interactive Performance	Virtual OptiConnect (Yes/No)	High-speed link (Yes/No)
Partition 0	2	256 MB	98 %	No	No

Partition 0 Hardware

Requirements	IOP Feature Code	Switchable IOP (Yes/No)	Bus	Location	Status
Load source disk unit IOP		No			New
Alternate IPL device IOP		No			New
Console IOP		No			New
Electronic customer support communications line IOP		No			New
Netfinity Server (IPCS) (Quantity: 1)		No			New

Disk Unit Information for Partition 0

Total Partition Disk Unit Capacity: 4 GB

Disk Unit Protection: Parity protection

Next, you need to assign hardware to Partition 1. Click **Next** to go to the next partition.

<< Back | Save | Next >>

Figure 27: LPAR Planning Advisor - Partition summary Panel

2.1.1.1.1 Push buttons

Push button	Results

Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Save button:

Description:	Saves the user's progress so far in a cookie.
Field type:	Button
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	N/A
Conditions when editable/not editable:	Never
Conditions when enabled/disabled:	N/A
Relationship to other properties:	Stores the values from the applet into a cookie on the user's system.
DBCS considerations:	N/A
Other unique characteristics:	The cookie can be read by the advisor to restore information.

2.1.1.1.3 Behind the Panel

If the user specified quantities of disk units, Back goes to Assign disk unit types. Otherwise, Back goes to Select disk unit type.

This is the last panel in the large loop for each partition. If the user must enter information for the next partition, Next goes to Select IOP type for load source. Otherwise, Next goes to Provide additional information.

The advisor retrieves all stored values for this partition and displays them in the tables.

2.1.1.1 Panel: Provide additional information

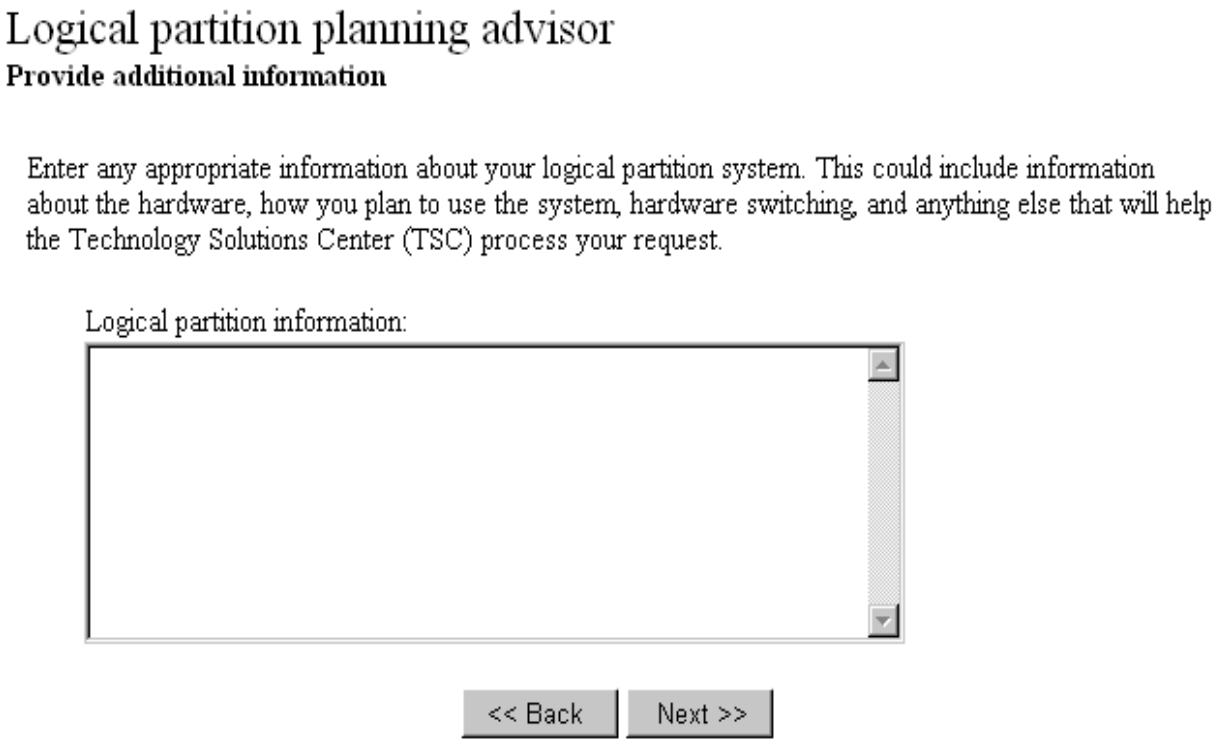


Figure 28: LPAR Planning Advisor - Provide additional information Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 Properties

Additional information text box:

Description:	User may supply additional information.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	8 rows and 50 characters wide showing. But, user may

	enter more. Wraps at end of 50 characters.
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Partition summary.

Next goes to Enter contact information.

The advisor stores any entered information.

2.1.1.1 Panel: Enter contact information

Figure 29: LPAR Planning Advisor - Enter contact information Panel

2.1.1.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.1.1.2 **Properties**

First name text box:

Description:	User's first name.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	Must be at least 1 character.
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Last name text box:

Description:	User's last name.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	Must be at least 1 character.
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Company text box:

Description:	User's company name.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Customer number text box:

Description:	User's customer number.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A

DBCS considerations:	N/A
Other unique characteristics:	N/A

Phone number text box:

Description:	User's phone number.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	Must be at least 10 characters long.
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Business street address text box:

Description:	User's address.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Business city text box:

Description:	User's city of business.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Business state/province text box:

Description:	User's state or province of business.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Business zip code text box:

Description:	User's zip code for business.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

Business country text box:

Description:	User's country of business.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Optional
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

E-mail address text box:

Description:	User's e-mail address.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	Must be at least 5 characters long. Must include the "@" sign.
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.1.1.3 Behind the Panel

Back goes to Provide additional information.

Next goes to Results.

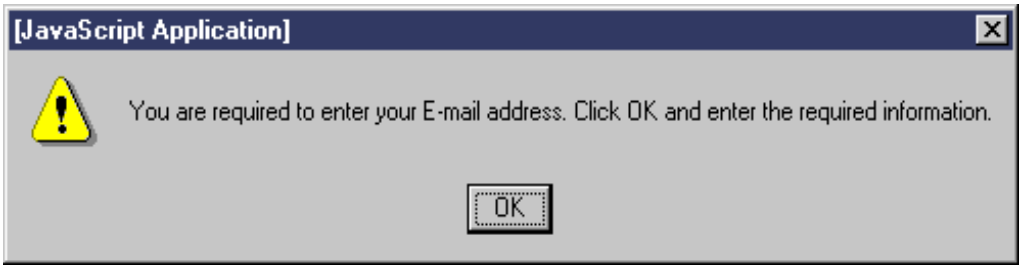
The advisor stores all entered values.

If the user does not enter their first name, the following appears:

If the user does not enter their last name, the following appears:

If the user does not enter their phone number, the following appears:

If the user does not enter their e-mail address, the following appears:



If the user does not enter a valid phone number of at least 10 characters, the following appears:

If the user does not enter a valid e-mail address of at least 5 characters and an "@" sign, the following appears:

2.1.1.1 **Panel: Results**

Logical partition planning advisor

Results

Congratulations!

You have completed the Logical partition planning advisor.

Perform the following steps:

1. Review the information and check for accuracy.
2. Print one copy of this page of information.
3. Keep the information in a safe place.

Logical Partition Hardware Planning Work Sheets

Logical Partition Information:

Server: 720 New
Processor Feature: 2064

Interactive Feature: 1500

Partition	Number of Processors	Main Storage	Interactive Performance	Virtual OptiConnect (Yes/No)	High-speed link (Yes/No)
Total	4	384 MB	35 CPW		
Partition 0	2	256 MB	98 %	No	No
Partition 1	1	64 MB	1 %	No	No
Partition 2	1	64 MB	1 %	No	No

Partition 0 Hardware

Requirements	IOP Feature Code	Switchable IOP (Yes/No)	Bus	Location	Status
Load source disk unit IOP		No			New
Alternate IPL device IOP		No			New
Console IOP		No			New
Electronic customer support communications line IOP		No			New
Netfinity Server (IPCS) (Quantity: 1)		No			New

Disk Unit Information for Partition 0

Total Partition Disk Unit Capacity: 4 GB

Disk Unit Protection: Parity protection

Partition 1 Hardware

Requirements	IOP Feature Code	Switchable IOP (Yes/No)	Bus	Location	Status
Load source disk unit IOP		No			New
Alternate IPL device IOP		No			New
Console IOP		No			New
Electronic customer support communications line IOP		No			New

Disk Unit Information for Partition 1

Total Partition Disk Unit Capacity: 4 GB

Disk Unit Protection: Parity protection

Print
<< Back Save Start Over

Figure 30: LPAR Planning Advisor - Results Panel

2.1.1.1.1 Push buttons

Push button	Results
Start Over	Returns to beginning of advisor. Confirmation prompt pops up to confirm this action.
<< Back	Displays the previous advisor panel.
Print	Prints the page of information for the user.

2.1.1.1.2 Properties

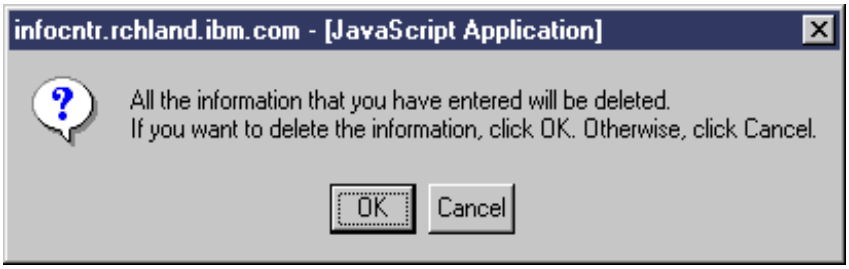
Save button:

Description: Saves the user's progress so far in a cookie.
Field type: Button
Possible values: N/A
Default value: N/A
Formatting and length restrictions: N/A
Required or optional: N/A
Conditions when editable/not editable: Never
Conditions when enabled/disabled: N/A
Relationship to other properties: Stores the values from the applet into a cookie on the user's system. User will have option to save the file under a different name for later retrieval by the Create Partition Wizard.
DBCS considerations: N/A
Other unique characteristics: The cookie can be read by the advisor to restore information.

2.1.1.1.3 Behind the Panel

Back goes to Enter contact information.

Start Over displays the following prompt:



If the user clicks OK, the Select server panel displays and all entered information is deleted from the advisor.. Otherwise, the user is returned to the Results panel.

The advisor retrieves all stored values for all partitions and displays them in the tables.

2.1.2 Advisor: LPAR Troubleshooting Advisor

2.1.2.1 Description

- Many customers expressed a need for better troubleshooting information. The Troubleshooting Advisor will help users to quickly and accurately find the source of their problem and the steps that are necessary to correct the problem. This will also help customers so that they do not have to scan through six or seven pages of SRCs and error messages (as was the case in V4R4), but instead allow them to enter their error or SRC and receive a “customized” solution that is only one to two pages long.

2.1.2.2 Flow

Figure B: LPAR Troubleshooting Advisor Flow

2.1.2.3 Panel: Welcome

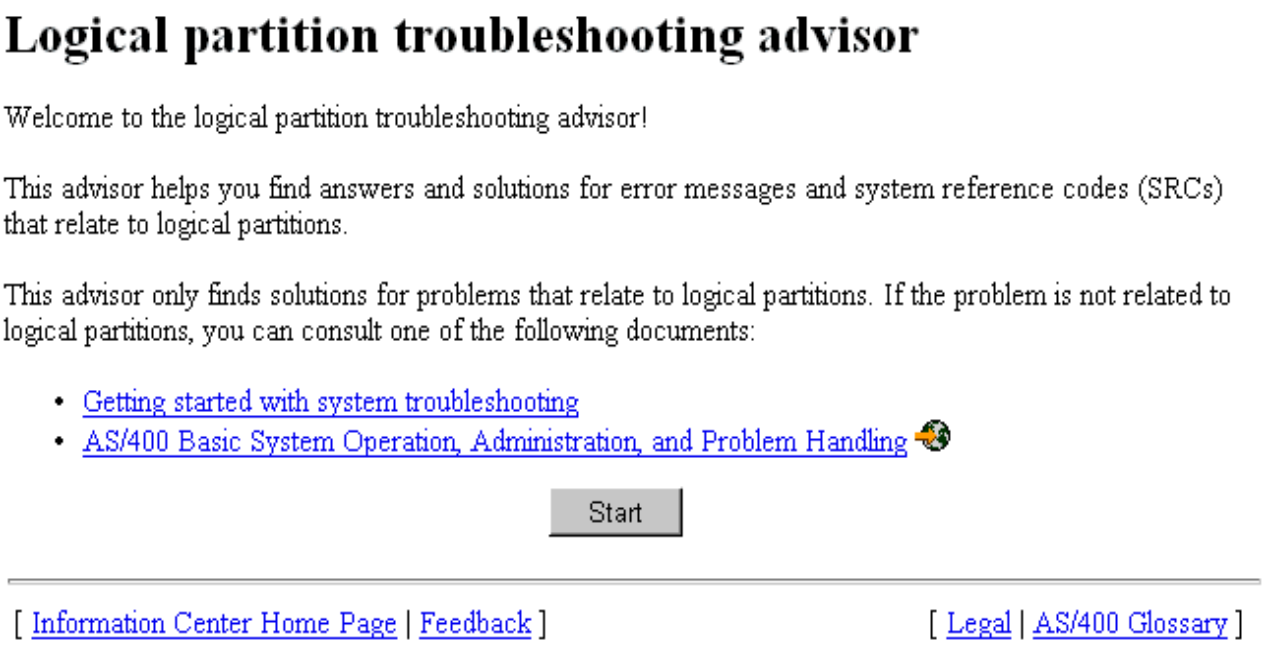


Figure 38: LPAR Troubleshooting Advisor - Welcome Panel

2.1.2.1.1 Push buttons

Push button	Results
Start	Displays the next advisor panel.

2.1.2.1.2 Properties

N/A

2.1.2.1.3 Behind the Panel

This panel is actually part of the Troubleshooting articles. Since content will be sourced in HTML for V5R1, a **Start** button can be included on the page instead of the text link at the bottom.

The design of the frames around this content will be based on the V5R1 Information Center

design.

Next goes to Select a search method.

2.1.2.1 Panel: Select a search method

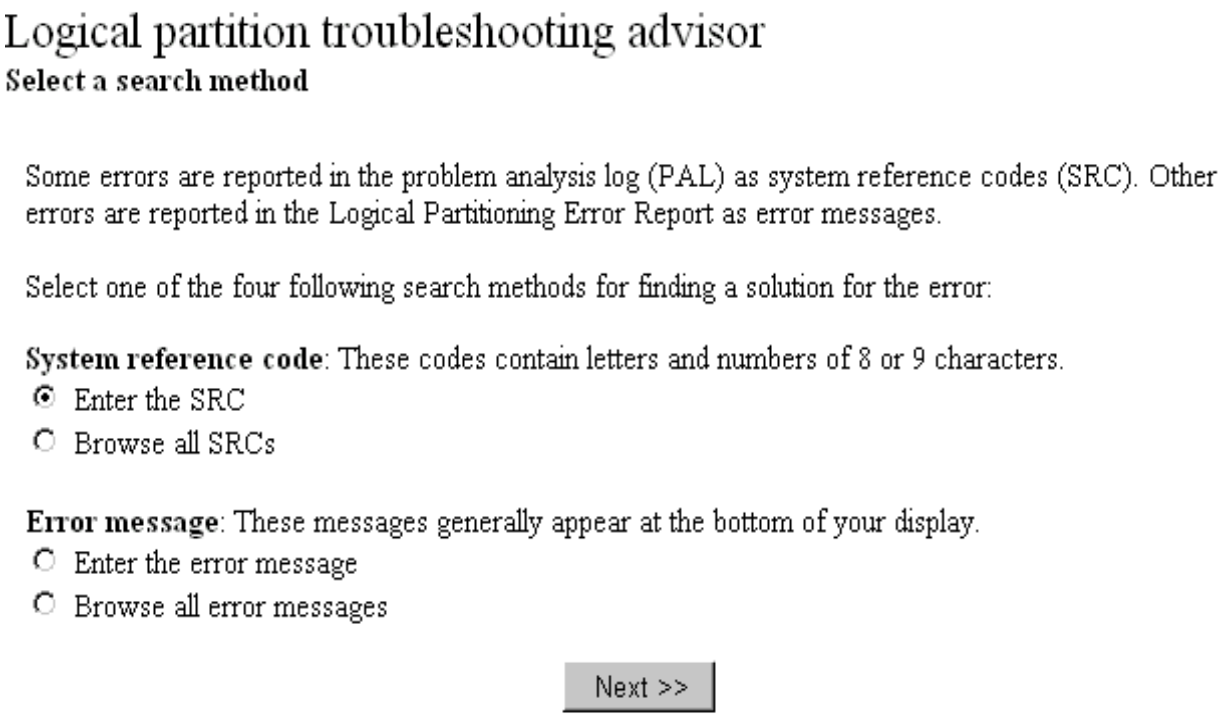


Figure 31: LPAR Troubleshooting Advisor - Select a search method Panel

2.1.2.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

Radio Button Group 1:

Description:	User must select a type of search.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Enter SRC
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.2.1.3 Behind the Panel

Back goes to Welcome.

Next is as follows:

Selected Radio Button	Next Panel
Enter SRC	Enter the SRC
Browse SRCs	Select an SRC
Enter error message	Enter the error message
Browse error messages	Select an error message

The advisor stores the selected radio button.

2.1.2.1 Panel: Enter the SRC

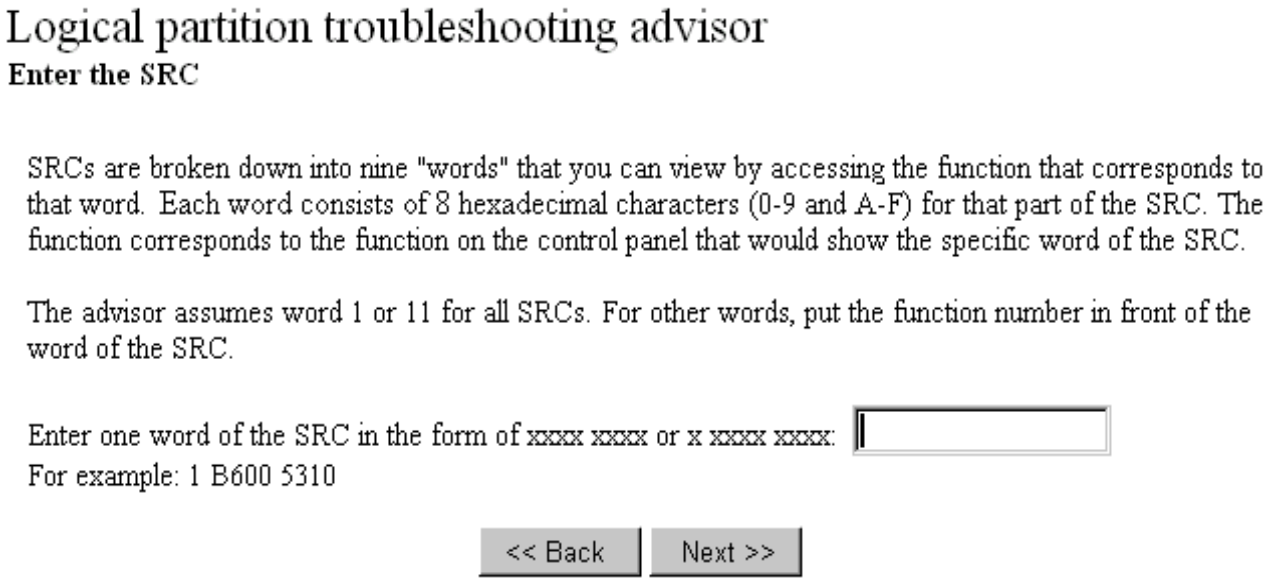


Figure 40: LPAR Troubleshooting Advisor - Enter the SRC Panel

2.1.2.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

SRC text box:

Description:	User must supply an SRC.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	Must be between 8 and 12 characters long.
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.2.1.3 Behind the Panel

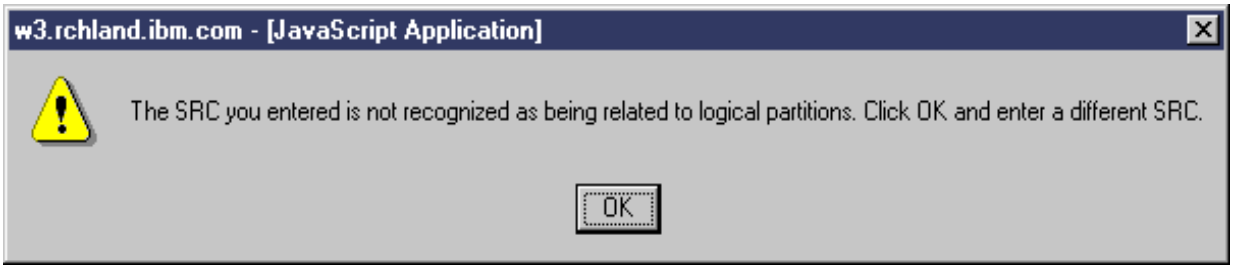
Back goes to Select a search method.

If the SRC has a solution, Next goes to Results (SRC). If there is another question, Next goes to SRC question.

The advisor stores the SRC entered.

If the user does not enter an SRC, the following appears:

If no matching SRC exists, the following displays:



If the value entered is not the correct length or format, the following displays:

2.1.2.1 Panel: SRC question

Logical partition troubleshooting advisor

SRC question

You entered SRC: **1 690A 2060**

Are the following SRCs also listed in the product activity log (PAL) for this partition?

1 B193 4511
2 xxxx xx5D (where x equals any value 0-9 or A-F)

(•) Yes
( ) No

<< Back | Next >>

Figure 41: LPAR Troubleshooting Advisor - SRC question Panel

2.1.2.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

Radio Button Group 1:

Description:	The user must answer the question.
Field type:	Radio Buttons
Possible values:	N/A
Default value:	Yes
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.2.1.3 Behind the Panel

Back goes to Enter the SRC.

Next goes to Results (SRC).

The advisor decides which SRC question to display based on the SRC entered. The advisor stores the selected answer and determines the result.

2.1.2.1 Panel: Select an SRC

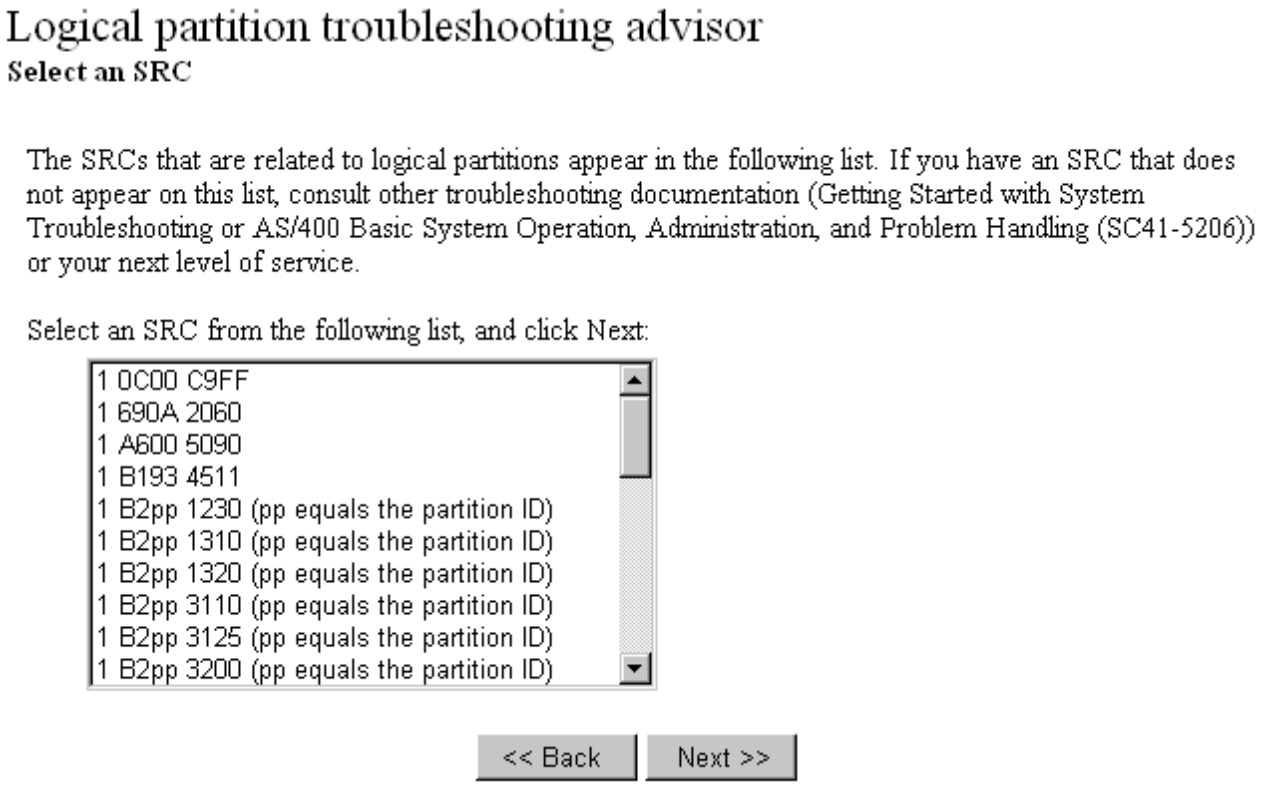


Figure 32: LPAR Troubleshooting Advisor - Select an SRC Panel

2.1.2.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

SRC list box:

Description:	User must select an SRC from the list.
Field type:	List Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	N/A

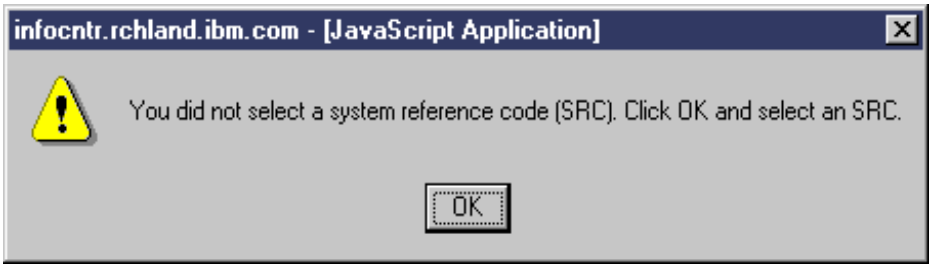
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	"Not Listed" option takes usre to results page with link to other documentation.

2.1.2.1.3 Behind the Panel

Back goes to Select a search method.

Next goes to Results (SRC) or SRC question.

If the user does not select an SRC, the following appears:



The advisor stores the selected index and the SRC. The advisor determines whether another question or a Result is needed.

2.1.2.1 Panel: Results (SRC)

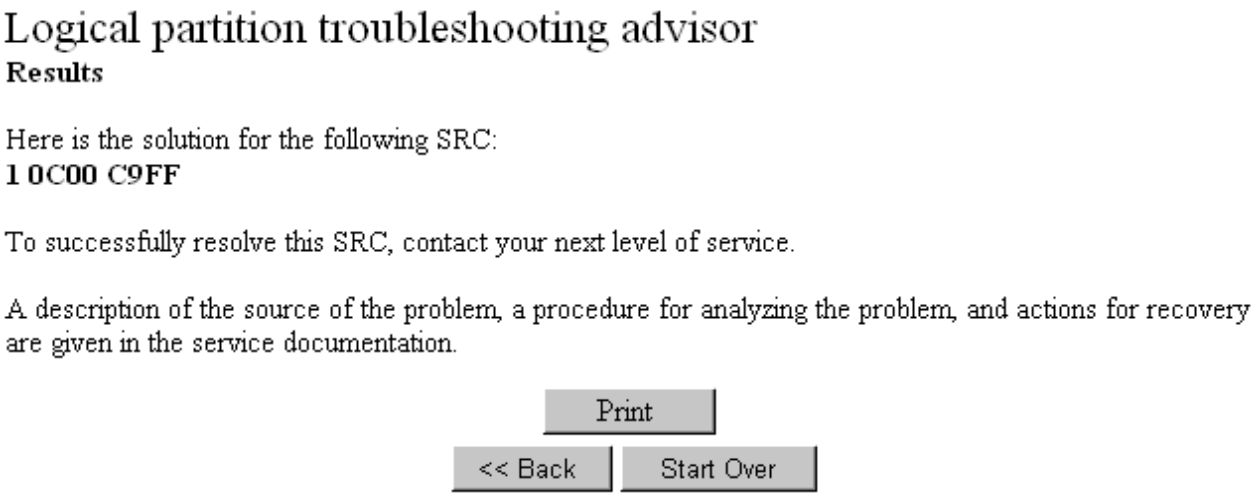


Figure 43: LPAR Troubleshooting Advisor - Results (SRC) Panel

2.1.2.1.1 Push buttons

Push button	Results
Start Over	Displays the first advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

N/A

2.1.2.1.3 Behind the Panel

Back takes user to either SRC question, Select an SRC, or Enter an SRC (depending on what the last page was).

Start Over takes the user to Select a search method. All values stored in the advisor are deleted.

2.1.2.1 Panel: Enter the error message

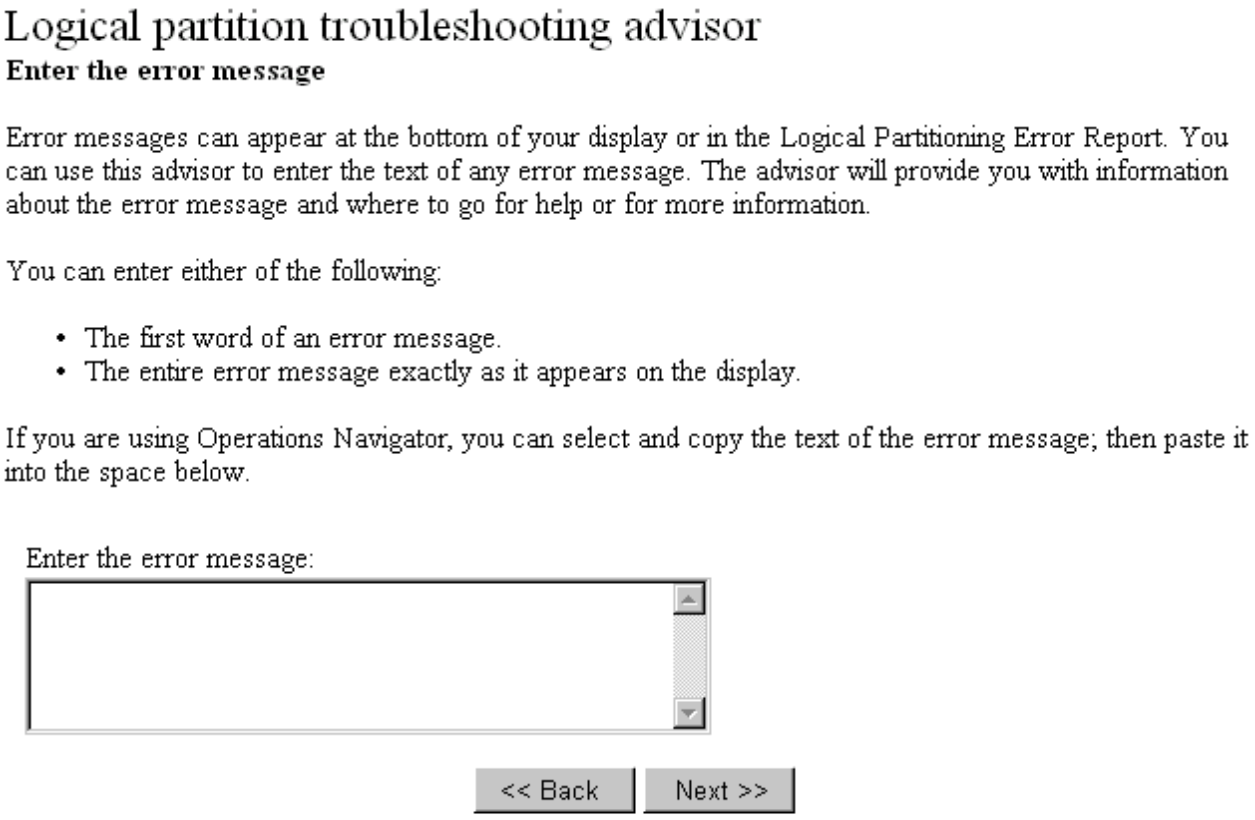


Figure 33: LPAR Troubleshooting Advisor - Enter the error message Panel

2.1.2.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

Error message text box:

Description:	User must supply at least the first word of the error message.
Field type:	Text Box
Possible values:	N/A
Default value:	N/A
Formatting and length restrictions:	4 rows long and 40 characters wide. Wraps at the 40th character.
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

2.1.2.1.3 Behind the Panel

Back goes to Select a search method.

Next goes to Select error message if more than one possibility. Otherwise, Next goes to Results (Error Message).

The advisor stores the entered error message.

If the user does not enter anything, the following appears:

If the user enters something that has no match, the following appears:

2.1.2.1 Panel: Select error message

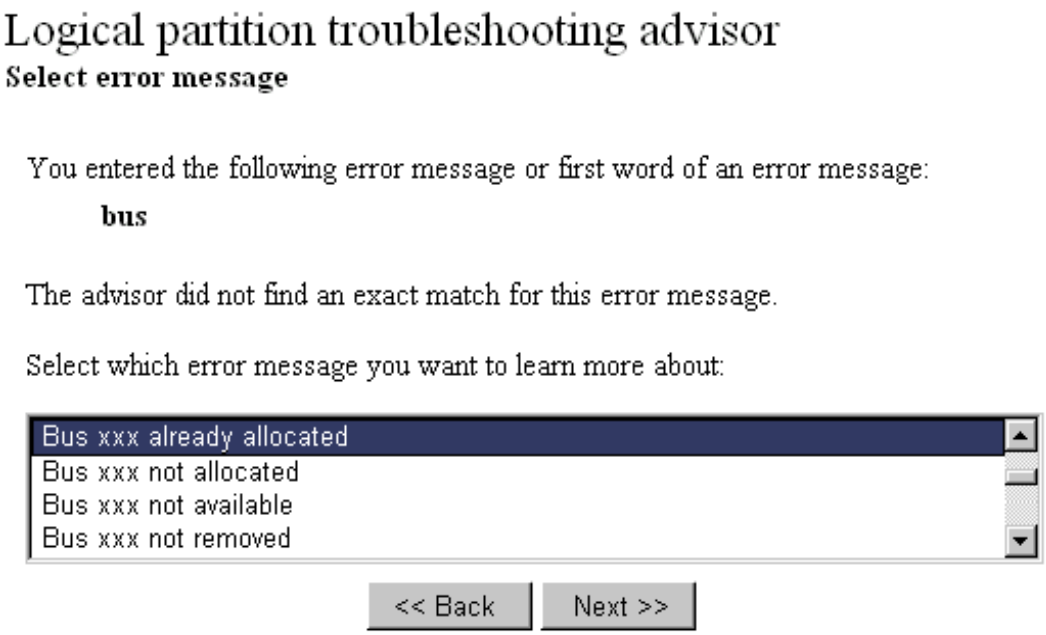


Figure 34: LPAR Troubleshooting Advisor - Select error message Panel

2.1.2.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

Error Message list box:

Description:	User must select the desired error message.
Field type:	List Box
Possible values:	N/A
Default value:	First in list (alphabetically)
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	Only valid selections for the entered error message are shown.

2.1.2.1.3 Behind the Panel

Back goes to Enter the error message.

Next goes to Results (Error Message).

The advisor stores the selected error message and the selected index.

2.1.2.1 Panel: Select an error message

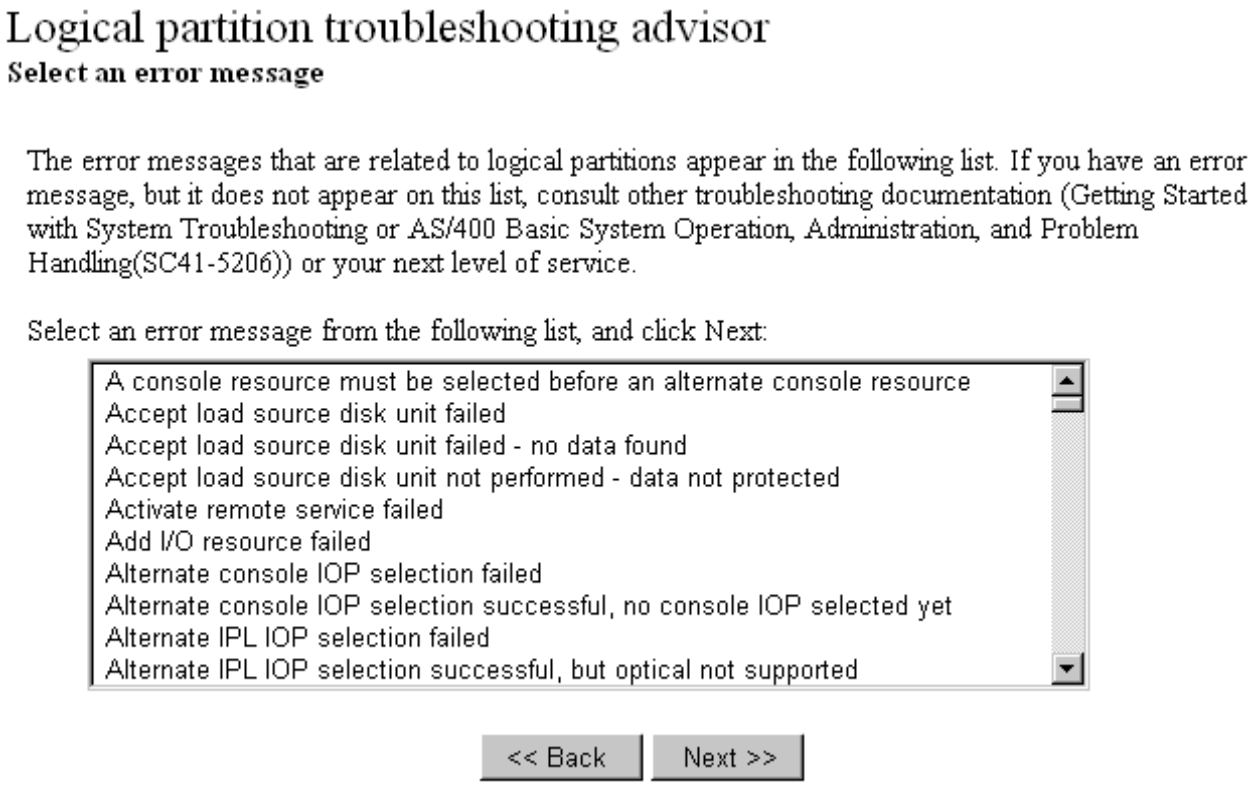


Figure 35: LPAR Troubleshooting Advisor - Select an error message Panel

2.1.2.1.1 Push buttons

Push button	Results
Next >>	Displays the next advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

Error message List box:

Description:	User must select an error message from the list.
Field type:	List box
Possible values:	N/A

Default value:	N/A
Formatting and length restrictions:	N/A
Required or optional:	Required
Conditions when editable/not editable:	N/A
Conditions when enabled/disabled:	N/A
Relationship to other properties:	N/A
DBCS considerations:	N/A
Other unique characteristics:	N/A

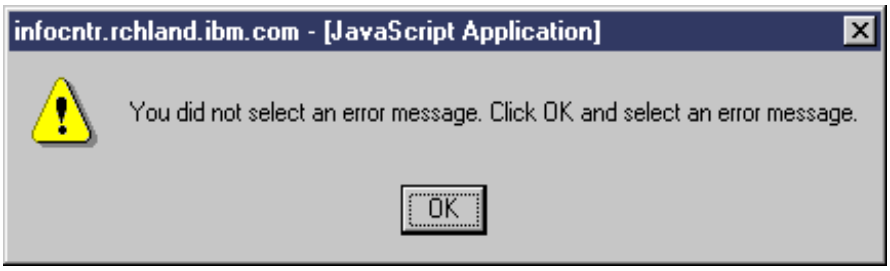
2.1.2.1.3 Behind the Panel

Back goes to Select a search method.

Next goes to Results (Error Message).

The advisor stores the selected index and error message.

If the user does not select an error message, the following appears:



2.1.2.1 Panel: Results (Error Message)

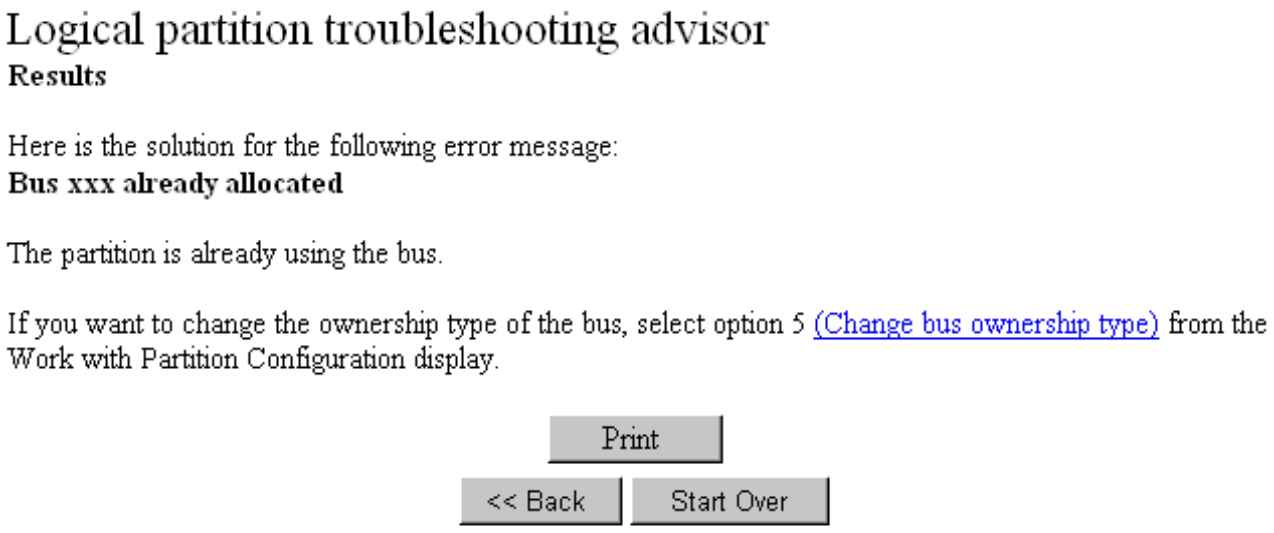


Figure 47: LPAR Troubleshooting Advisor - Results (Error Message) Panel

2.1.2.1.1 Push buttons

Push button	Results
Start Over	Displays the first advisor panel.
<< Back	Displays the previous advisor panel.

2.1.2.1.2 Properties

N/A

2.1.2.1.3 Behind the Panel

Back goes to Select an error message, Select error message, or Enter the error message, depending on where the user was previously.

Start Over takes the user to Select a search method. All stored information is erased.

The advisor determines what solution to display based on the error message.

2.2 Help Objects

N/A

2.3 Book Objects

N/A

3.0 Considerations

3.1 NLS Considerations

All information may have EEA (Easy English Analyzer) run against it if EEA is available for HTML-authored information. All HTML-authored information must be run against CHKPII to ensure the quality of the HTML being sent to the Translation Centers.

Only the answers for the SRC Troubleshooting advisor need to be translated since the SRCs are the same across all languages. However, the OS/400 error messages need to be translated exactly as they appear for the user. The readme file will contain instructions to this effect.

Special non-translating tags will be used in the advisors to bring the word count down to normal levels.

3.2 Compatibility Considerations

The logical partition advisors will follow the same format designated for all advisors, as detailed by Kris Henke and Chris Seyer.

The Appendix information must conform to the AS/400 web site look and feel (called Bullseye). Because of this, the information must be maintained in HTML and use the Bullseye template.

Because we will not be documenting new or changed DST/SST function, the articles that describe them must contain a disclaimer at the beginning.

3.3 Integration/Build Considerations

Since the advisors are dynamic, they are not part of the PDF built from the topic's articles. The information that comes out of the Advisors must be maintained as articles so that users who do not use the advisors or who print out the PDF document can find the information.

Only the first page (the welcome page) of the advisors needs to be indexed for the search function. No other advisor pages should be included in the search, since the user must progress

from the start of the advisor to the end.

3.4 Distribution

N/A

3.5 Design Alternatives

N/A

3.6 Dependencies

None at this time.

3.7 Restrictions and Limitations

N/A

3.8 Migration and Coexistence Considerations

V5R1 Information supersedes V4R5 information, except for DST/SST functions.

3.9 UT Testing Considerations

Defined by Mike Kelly in Lotus Notes Database UT_Testing on d27dbl02.

3.9.1 Equipment Needed

Not yet determined. See Mike Kelly's test plan.

3.9.2 Test Subjects Needed

Not yet determined. See Mike Kelly's test plan.

3.10 New Terms and Concepts

Term	Definition
advisor	An interactive program within electronic documentation that provides recommendations to the user. Advisors are similar to wizards except they do not actually perform the task. For example, the Security advisor determines the security value settings that best suit the user needs based on user-provided input.
article	A small, self-contained piece of information that describes a particular information type such as a procedure, concept, example, or reference information. (Use only internally; use *page* externally.)
category	The title of a group of topics that fit within a functional area in the Information Center.
concept	An information type that describes an idea; for example, what it is or how it works.
context	An information type that is available as Help directly within the interface. For example, Operations Navigator provides contextual help for most fields in a dialog.
dummy book	A one-page, online book in the Online Library that points to the Information Center for information about a topic. This is generally used when the hardcopy documentation has moved to the Information Center.
example	An information type that illustrates a procedure, concept, program, snippet, or user scenario.
information type	A category of information that matches the users' needs: procedure, concept, reference, context. AS/400 information also includes information types of example, details, and tips.

keyword	A word that is representative of the content in articles.
package	A grouping of articles for administrative purposes such as DCRs, PTRs, translation, tracking, and so forth.
page	Synonymous with article. Use *page* externally, not *article*.
predefined path	Information designed to step the user through a series of tasks that, when completed successfully, will accomplish a user's goal.
procedure	An information type that describes how to perform a task. It is generally written as a set of steps.
reference	An information type that documents programming constructs or facts about a product; for example, what programming constructs do or values that can be specified.
subtopic	A functional group of articles that are a subset of a topic. This term is only meaningful when mentioned within the context of the parent topic. The use of *subtopic* is preferred to *section*.
topic	A functional group of articles. It can be used to describe a grouping at any level within the hierarchy. The use of *topic* is preferred to *section*.
user goal	The user's ultimate reason for using AS/400, that is, a specific high-level objective.
wizard	An interactive program that performs a task for the user. Wizards are similar to advisors except wizards actually perform the task. For example, the TCP/IP Interface Wizard configures TCP/IP on AS/400 for the first time.

3.11 Reference Materials

3.11.1 UT Strategy

Available on the Intranet at:

http://w3.rchland.ibm.com/projects/ID/strategy/strat.htm

3.11.2 Information Center CAI

Available from Georgia Toogood in Rochester.

3.11.3 Other Topic CAI and I0 Documents

Documents for other topic areas can be found in the UT Design Documents Lotus Notes database in the 'u_dir' on the d27dbl02/27/A/IBM server.

LPAR SAI/CAI for development can be found off the LPAR web page at http://w3.rchland.ibm.com/~lpar

3.11.4 Information Plan

Available from Tom Parry in Rochester.

3.11.5 Programming SAI/CAI/I0 Documents

Document	Product/Component	Owner	Available From
GUI LPAR Management SAI/CAI	GUIX	Jeff Scheel	Jeff Scheel
Logical Partitioning (LPAR) I0 Document	GUIX	Dennis Schmidt	Dennis Schmidt

The *AS/400 V5R1 Logical Partitioning Stage II Version 1.0 Combined SAI/CAI*	SLIC	Mark Manges	Mark Manges

3.12 I0 Review Issues/Resolutions

Type (Issue/Comment)	Originator	Owner	Due Date	Resolution
Issue--Need shared processor pool article	M Manges	G Winn S Choy		One will be added to the Learning and one to the Planning topics, as well as support in the advisor (Note: the graphic in the I0 does not show this. We are trying to determine how it will work best)
Issue--EEA optional for HTML source	C Seyer	G Winn		Changed wording to indicate that EEA may be optional for all HTML-sourced info for V5R1
Issue--Reword section 3.3 of the Doc I0 for clarity (to make it clearer that advisor panels are not included in the PDF)	J Curry	G Winn		Reworded as indicated

Issue--No more focus group needed for LPAR. Use iterative design instead	E Lueke S Benysh	G Winn		Changed point to indicate that we will continue to meet with customers to verify information design and structure, as well as advisor flow and ease of use
Issue--Include info about how the Planning advisor fits into the whole process	??	G Winn		This section has been updated and made clearer. The advisor helps the user complete the work sheets. It fits in at the same place as the planning articles. Eventually, it will take the place of these articles when it becomes "smart" enough to do validation
Issue--Switch Number of processors and Number of partitions panels	S Benysh	G Winn		Switched
Issue--Do not allow switching for console and load source	M Manges	G Winn		Functionality removed from advisor
Issue--Redesign welcome page	Many	C Seyer G Winn		Some rework done. Chris Seyer will continue to work on this for all advisors. For the Planning advisor, sentences have been made clearer and most of the steps in the original have been removed because they are no longer required steps

Issue--Being able to save progress (also part of "this advisor is too long")	Many	G Winn C Seyer		We can save progress with cookies. We will have prototypes within the next couple of months. Will include graphics that let the user see visually where they are in the process. Also, will include buttons on each page for "Progress so far" (Note: this button has not been added to the graphics in the I0). We will continue to work with customers to see how we can make the advisor more usable
Issue--No more TSC for LPAR	T Gabriel	G Winn		The TSC is training Tech Line, and will give it all to them by (hopefully) V5R1. The TSC still wants their name in the documentation, they just want it behind Tech Line and business partners

Issue--Assign disk unit types seems out of place	S Benysh	G Winn		We are working with customers to see how this should be changed, if at all. So far, it looks like we will move this panel after the divide disk storage panel, and have it do a short loop for each partition (Note: This has not been changed in the I0 because it is still under investigation)
Comment--Grammatical stuff	Many	G Winn		Changes have been made where appropriate
Comment--New definitions to include	??	G Winn		Included
Comment--Explain new and existing better	S Benysh	G Winn		Changed to include “to be ordered” information for new
Comment--Make fig 3 and 6 look the same (using columns)	??	G Winn		Done
Comment--Stores where?	F Bonner	G Winn		Added wording in first couple instances to indicate that it stores everything in the advisor

Comment--Allow “not here” item for troubleshooting browse	??	G Winn		Added item to list. Will take user to results page and link to other documentation
Comment--Use list box on Select error message	??	G Winn		Changed to list box
Comment--Be more specific about time to complete advisor	K Bies	G Winn		Made wording clearer
Comment--Allow select individual partitions for virtual OptiConnect. Use “select all” check box	Many	G Winn		Did as suggested

4.0 Appendix A: LPAR Documentation Focus Group Summary

The following items were derived by analyzing specific requests from the **LPAR Focus Group Collation of Customer Wants and Needs** as gathered by the UCD Team. Only items relating to user documentation were used. These items are ranked from most requested to least requested with the number of responses noted for each item.

Rank	Request	Responses
1	• Include an overview/background, examples, case studies, FAQs, and troubleshooting • **Recommendations:** • Help a new user create partitions using the documentation • Create FAQs, Troubleshooting, case studies, sample configs, etc.	10
2	• Documentation on understanding hardware • **Recommendations:** • Shouldn't have to use support line	2

3	Clarity of documentation **Recommendations:** • All steps and possibilities are covered in detail • Make it easier to understand so it cuts down on the amount of time required	4
4	Easy to navigate **Recommendations:** • Links need to say where they go • When F1 help is available	3
5	• Configurator local to the box • **Recommendations:** • GUI tool that is marketed by IBM • Downloadable from IBM web site	2
6	Multiple access to documentation **Recommendations:** • Make planning guide part of InfoCenter • Either a hardcopy book, PDF, or on soft copy CD	2