

IBM zEnterprise™ 196

Unified Resource Manager Hands-On Lab : Part 2

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IBM

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9818

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Notes:

Performance is in Internal Throughput Rate (ITR) ratio based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput improvements equivalent to the performance ratios stated here.

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agenda



1	Demo Setup
2	Ensemble Details
3	Manage Workload: Delete Workload
4	Manage Workload: Create Workload and Policy
5	Update Workload: Add additional VS
6	Workload Report
7	Monitor Dashboard

zEnterprise hardware management and platform management

Hypervisor Management

- Integrated deployment and configuration of hypervisors
- Hypervisors (except z/VM) shipped and serviced as firmware.
- Management of ISO images.
- Creation of virtual networks.
- Manage and control communication between virtual server operating systems and the hypervisor.

Operational Controls

- Auto-discovery and configuration support for new resources.
- Cross platform hardware problem detection, reporting and call home.
- Physical hardware configuration, backup and restore.

Network Management

- Management of virtual networks including access control

Energy Management

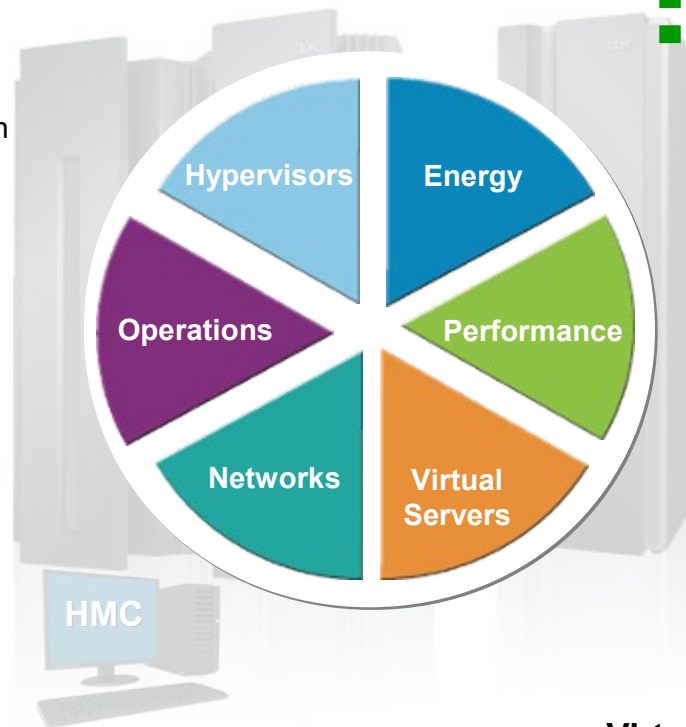
- Monitoring and trend reporting of energy consumption and environmental data.
- Ability to query maximum potential power.
- Power saving and capping controls

Workload Awareness and Platform Performance Management

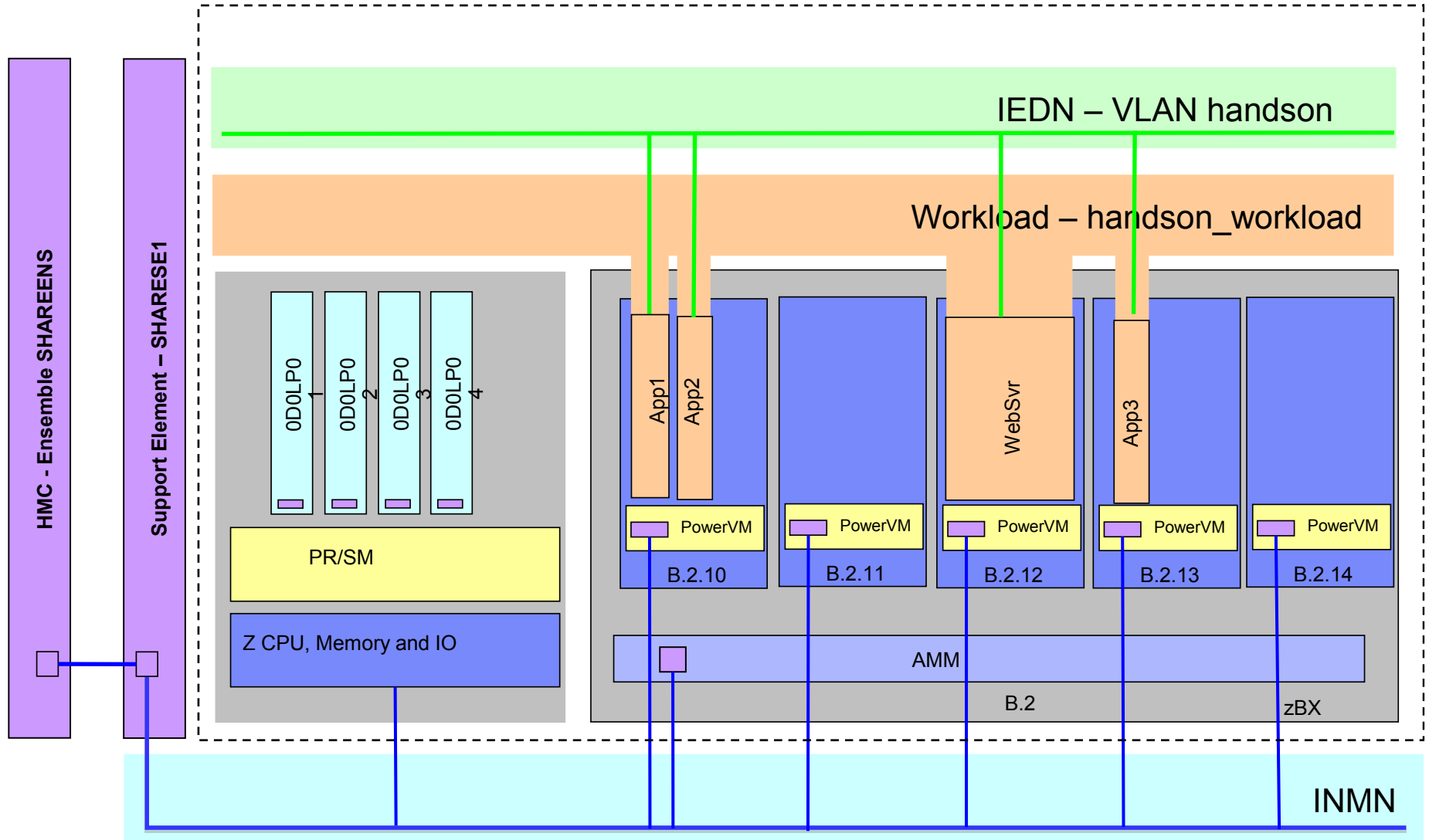
- Wizard-driven management of resources in accordance with specified business service level objectives
- HMC provides a single consolidated and consistent view of resources
- Monitor resource use within the context of a business workload
- Define workloads and associated performance policies

Virtual Server Lifecycle Management

- Single view of virtualization across platforms.
- Ability to deploy multiple, cross-platform virtual servers within minutes
- Management of virtual networks including access control



Demo Setup



Delete Workload

Ensemble Management > **SHAREENS**

Ensemble Resources | Virtual Servers | Hypervisors | Blades | Topology

Filter [] Tasks [] Views []

Select	Name	Status	Description
<input type="checkbox"/>	Members	OK	
<input type="checkbox"/>	SHARESE1	Operating	Represents one defined CPC
<input type="checkbox"/>	Workloads		
<input type="checkbox"/>	Default		The default workload containing all
<input checked="" type="checkbox"/>	handson_workload		

Max Page Size: 500 Total: 5 Filtered: 5 Selected: 1

Tasks: handson_workload

- Workload Details
 - Daily
 - Operational Customization
 - Monitor
 - Activate Performance Policy
 - Customize Scheduled Operations
 - Configuration
 - Delete Workload**
 - New Performance Policy
 - New Workload

New Workload

- New Workload

Ensemble Management > SHAREENS > Workloads

Workloads Topology

Filter Tasks Views

Select ^	Name ^	Virtual Servers ^	Performance Policy ^	Performance Policy Status ^	Performance Policy Business Importance ^
<input type="checkbox"/>	Default	10	Default	Active	Medium

Max Page Size: 500 Total: 1 Filtered: 1 Selected: 0

Tasks: Workloads

Configuration Monitor

New Workload

New Workload



New Workload - SHAREENS

✓ [Welcome](#)

→ **[Workload Name](#)**

[Select Virtual Servers](#)

[Create Performance Policy](#)

[Create Service Class](#)

[Service Class Goal](#)

[Classification Rule](#)

[Manage Service Classes](#)

[Manage Performance Policies](#)

[Activate Policy](#)

[Summary](#)

Workload Name

Enter a name, description, and category for the workload.

Name: *

Description:

Category:

Add VS to Workload

New Workload - SHARENS
i

- ✓ Welcome
- ✓ Workload Name
- **Select Virtual Servers**
- Create Performance Policy
- Create Service Class
- Service Class Goal
- Classification Rule
- Manage Service Classes
- Manage Performance Policies
- Activate Policy
- Summary

Select Virtual Servers

Select virtual servers and custom groups to add into the workload. Adding a custom group into the workload adds all virtual servers in the group.

Show: ▼

Available Virtual Servers:



Select	Name	Hypervisor	Workloads
<input type="checkbox"/>	0D0LP03	SHARESE1	
<input type="checkbox"/>	0D0LP04	SHARESE1	
<input checked="" type="checkbox"/>	app1	B.2.10	
<input checked="" type="checkbox"/>	app2	B.2.10	
<input type="checkbox"/>	app3	B.2.10	
<input type="checkbox"/>	RCF3	P0000R28	
<input type="checkbox"/>	RLI4	P0000R28	
<input type="checkbox"/>	ROS1	P0000R28	
<input type="checkbox"/>	ROS2	P0000R28	
<input checked="" type="checkbox"/>	WebSvr	B.2.12	

Total: 12 Filtered: 12 Selected: 0

Selected:

app1 (B.2.10)
app2 (B.2.10)
WebSvr (B.2.12)

Create Workload Performance Policy

 **New Workload - SHAREENS** 

- ✓ [Welcome](#)
- ✓ [Workload Name](#)
- ✓ [Select Virtual Servers](#)
- [Create Performance Policy](#)
- [Create Service Class](#)
- [Service Class Goal](#)
- [Classification Rule](#)
- [Manage Service Classes](#)
- [Manage Performance Policies](#)
- [Activate Policy](#)
- [Summary](#)

Create Performance Policy

You may create a performance policy for the workload now or use the default performance policy and create a performance policy later.

***Create Option**

Default

New

New based on:

Policy Details

Workload: Share_Workload

Name: *

Description:

Business importance: *

- Highest
- High
- Medium
- Low
- Lowest

Create Service class



New Workload - SHARENS

- ✓ [Welcome](#)
- ✓ [Workload Name](#)
- ✓ [Select Virtual Servers](#)
- ✓ [Create Performance Policy](#)
- [Create Service Class](#)
- [Service Class Goal](#)
- [Classification Rule](#)
- [Manage Service Classes](#)
- [Manage Performance Policies](#)
- [Activate Policy](#)
- [Summary](#)

Create Service Class - ShareWkld_Policy

You may create a service class for the performance policy now or use the default service and create a service class later.

*Create Option

Default

New

New based on: ▼

Service Class Details



Workload: Share_Workload

Performance policy: ShareWkld_Policy

Name: * Gold


Description:

Set Service Levels


 **New Workload - SHARENS** 

Service Class Goal - ShareWkld_Policy:Gold
Select the performance goal and business importance for this service class.

Performance Goal

Velocity: * **Fastest** 

Discretionary

Business importance: * **Highest** 

- ✓ [Welcome](#)
- ✓ [Workload Name](#)
- ✓ [Select Virtual Servers](#)
- ✓ [Create Performance Policy](#)
- ✓ [Create Service Class](#)
- **[Service Class Goal](#)**
 - Classification Rule
 - Manage Service Classes
 - Manage Performance Policies
 - Activate Policy
 - Summary

Associate VS to Service Class

New Workload - SHAREENS

- ✓ Welcome
- ✓ Workload Name
- ✓ Select Virtual Servers
- ✓ Create Performance Policy
- ✓ Create Service Class
- ✓ Service Class Goal
- **Classification Rule**
- Manage Service Classes
- Manage Performance Policies
- Activate Policy
- Summary

Classification Rule - ShareWkld_Policy:Gold

Rule Builder: Filter Type

The rule builder allows you to create a classification rule by constructing clauses that are ANDed or ORed together. Click the first entry and select the property upon which your rules' first clause will filter. For instance, select "Hostname" to filter on the virtual server's host name.

Virtual Server Name == ?

- Hostname
- OS Level
- OS Name
- OS Type
- .* Virtual Server Name

New Workload - SHAREENS

- ✓ Welcome
- ✓ Workload Name
- ✓ Select Virtual Servers
- ✓ Create Performance Policy
- ✓ Create Service Class
- ✓ Service Class Goal
- **Classification Rule**
- Manage Service Classes
- Manage Performance Policies
- Activate Policy
- Summary

Classification Rule - ShareWkld_Policy:Gold

Define the service class's classification rule using the rule builder.

Classification rule:

Logical Operators

AND OR

Virtual Server Name == app1 AND OR

Classification Rule - ShareWkld_Policy:Gold

Define the service class's classification rule using the rule builder.

Classification rule:

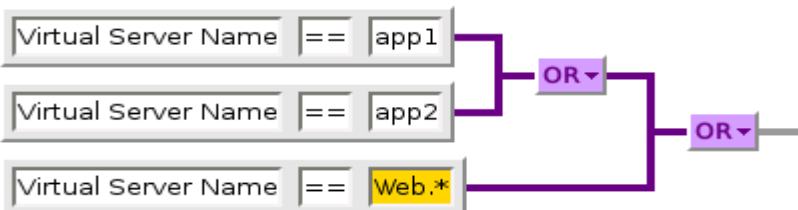
Logical Operators

AND OR

Virtual Server Name == app1

Virtual Server Name == app2

Virtual Server Name == Web.*



Schedule Policy Activation

New Workload - SHARENS

- ✓ [Welcome](#)
- ✓ [Workload Name](#)
- ✓ [Select Virtual Servers](#)
- ✓ [Create Performance Policy](#)
- ✓ [Create Service Class](#)
- ✓ [Service Class Goal](#)
- ✓ [Classification Rule](#)
- ✓ [Manage Service Classes](#)
- ✓ [Manage Performance Policies](#)

→ **Activate Policy**

Summary

Activate Policy

Select the performance policy to activate when the workload is created.



--- Select Action ---

Select	Performance Policy	Business Importance	Description
<input type="radio"/>	ShareWkld_Policy	Highest	Performance Policy for Share_Workload
<input checked="" type="radio"/>	Default	Medium	The default workload performance policy
		Total: 2	

Launch Customize Scheduled Operations to schedule future performance policy activations. The task will be launched after the workload has been created.

New Workload - Summary

New Workload - SHARENS
i

- ✓ [Welcome](#)
- ✓ [Workload Name](#)
- ✓ [Select Virtual Servers](#)
- ✓ [Create Performance Policy](#)
- ✓ [Create Service Class](#)
- ✓ [Service Class Goal](#)
- ✓ [Classification Rule](#)
- ✓ [Manage Service Classes](#)
- ✓ [Manage Performance Policies](#)
- ✓ [Activate Policy](#)
- [Summary](#)

Summary

Click Finish to create the workload, its performance policies and their service classes and activate the selected policy.

Default

Description: The default workload performance policy
Business importance: Medium

Service Classes

Default

Description: The default workload performance policy service class.
Performance goal: Velocity - Moderate
Business importance: Medium
Classification rule: .* == *.*

ShareWkld_Policy

Description: Performance Policy for Share_Workload
Business importance: Highest

Service Classes

Gold

Description: Service class for gold work
Performance goal: Velocity - Fastest
Business importance: Highest
Classification rule: ((Virtual Server Name == "app1"
OR Virtual Server Name == "app2")
OR Virtual Server Name == "Web.*")

Default

Description: The default workload performance policy service class.
Performance goal: Velocity - Moderate
Business importance: Medium

< Back
Next >
Finish
Cancel
Help

Setup schedule for Policy activation

SHAREHMC: Customize Scheduled Operations

Customize Scheduled Operations - Share_Workload

Options ▾ View ▾ Sort ▾ Help ▾

All scheduled operations are currently displayed.

Select	Target	Date	Time	Operation	Remaining Repetitions
--------	--------	------	------	-----------	-----------------------

Set up a Scheduled Operation - Share_Workload

Date and Time Repeat Policy

The following scheduled operation will be created :
Activate Performance Policy

Select the date and time of the initial execution, then select a time window.

Date and Time Date : 8/2/11 Time : 7:28 PM

Time Window 10 minutes 20 minutes 30 minutes 40 minutes 50 minutes 60 minutes

Save Cancel Help

Set up a Scheduled Operation - Share_Workload

Date and Time Repeat **Policy**

Select a policy to activate.
 Workload : Share_Workload
 Policy : ShareWkld_Policy ▾

Save Cancel Help

Customize Scheduled Operations - Share_Workload

Options ▾ View ▾ Sort ▾ Help ▾

All scheduled operations are currently displayed.

Select	Target	Date	Time	Operation
<input type="checkbox"/>	Share_Workload	8/2/11	7:28 PM	Activate Performance Policy : ShareWkld_Policy

Policy Activation Complete

Ensemble Management > SHAREENS > Workloads

Workloads Topology

Select ^	Name ^	Virtual Servers ^	Performance Policy ^	Performance Policy Status ^	Performance Policy Business Importance ^	Category ^
<input type="checkbox"/>	Default		9 Default	Active	Medium	
<input checked="" type="checkbox"/>	Share_Workload		3 ShareWkld_Policy	Active	Highest	

Max Page Size: 500 Total: 2 Filtered: 2 Selected: 1

Tasks: Share Workload

Modify Workload

Ensemble Management > SHAREENS > Workloads

Workloads | Topology

Filter

Select	Name	Virtual Servers	Performance Policy	Performance Policy Status	Performance Policy Business Importance
<input type="checkbox"/>	Default	8	Default	Active	Medium
<input checked="" type="checkbox"/>	Share_Workload	4	ShareWkld_Policy	Active	Highest

Max Page Size: 500 Total: 2 Filtered: 2 Selected: 1

Tasks: Share Workload

Workload Details | Daily

- Operational Customization
 - Activate Performance Policy
 - Customize Scheduled Operations
- Configuration
 - Delete Workload
 - New Performance Policy
 - New Workload
- Monitor

Workload Details - Share_Workload

General | **Virtual Servers** | Performance Policies

Select	Name	Hypervisor
<input type="checkbox"/>	app1	B.2.10
<input type="checkbox"/>	app2	B.2.10
<input type="checkbox"/>	WebSvr	B.2.12

Page 1 of 1 Total: 3 Selected: 0

OK | Apply | Print View | Cancel

Add Virtual Servers - Share_Workload

--- Select Action ---

Select	Name	Hypervisor	Type	Workloads
<input type="checkbox"/>	ODOLP01	SHARESE1	PR/SM	
<input type="checkbox"/>	ODOLP02	SHARESE1	PR/SM	
<input type="checkbox"/>	ODOLP03	SHARESE1	PR/SM	
<input type="checkbox"/>	ODOLP04	SHARESE1	PR/SM	
<input type="checkbox"/>	app1	B.2.10	POWER	Share_Workload
<input type="checkbox"/>	app2	B.2.10	POWER	Share_Workload
<input checked="" type="checkbox"/>	app3	B.2.10	POWER	
<input type="checkbox"/>	RCF3	P0000R28	PR/SM	
<input type="checkbox"/>	RLI4	P0000R28	PR/SM	
<input type="checkbox"/>	ROS1	P0000R28	PR/SM	

Page 1 of 1 Total: 12 Filtered: 12 Displayed: 12 Selected: 1

OK | Cancel | Help

Modify Workload

Workload Details - Share_Workload

General | Virtual Servers | **Performance Policies**

--- Select Action ---

Select	Performance Policy	Status	Business Importance	Revision
<input checked="" type="radio"/>	ShareWkld_Policy	Active	Highest	1
<input type="radio"/>	Default		Medium	1

Total: 2 Selected: 1

Details for ShareWkld_Policy

Activation status: Active
 Last activation requested date: Aug 2, 2011 7:28:00 PM EDT
 Last activation completed date: Aug 2, 2011 7:28:02 PM EDT
 Created date: Aug 2, 2011 7:24:50 PM EDT
 Last modified date: Aug 2, 2011 7:24:50 PM EDT

Performance Policy Details - ShareWkld_Policy in Wo

General | **Service Classes**

--- Select Action ---

Select	Service Class	Performance Goal	Business Importance
<input type="radio"/>	Gold	Velocity - Fast	Highest
<input type="radio"/>	Default	Velocity - Moderate	Medium

Total: 2 Selected: 0

OK Apply Print View View Revisions Cancel Help

Create Service Class

Enter a name and description for the service class

*Create Option

New

ONew based on: []

Service Class Details

Workload: Share_Workload
 Performance policy: ShareWkld_Policy
 Name: *Silver
 Description: Service Class for silver work

Classification Rule

Define the service class's classification rule using the rule builder.

Classification rule:


Logical Operators: AND OR

Rule Builder: Filter Value








Enter the filter value for the first clause entry field. For instance, enter "."*" to name when the filter type is "Hostname" operator is equals (==).

Virtual Server Name == app3

Modify Workload Results

 **Workload Details - Share_Workload**

General | **Virtual Servers** | Performance Policies








 --- Select Action --- | Filter

Select ^	Name ^	Hypervisor ^	Type ^	Performance Policy ^	Performance Policy Status ^
<input type="checkbox"/>	app1	B.2.10	POWER	ShareWkld_Polic	Activated
<input type="checkbox"/>	app2	B.2.10	POWER	ShareWkld_Polic	Activated
<input type="checkbox"/>	app3	B.2.10	POWER	ShareWkld_Polic	Pending
<input type="checkbox"/>	WebSvr	B.2.12	POWER	ShareWkld_Polic	Activated

Page 1 of 1 | Total: 4 | Filtered: 4 | Displayed: 4 | Selected: 0

Workload Report : Virtual Server Report

Select ^	Virtual Server ^	Virtual Processors ^	Allocated Memory (MB) ^	Physical CPU Utilization (%) ^	Hypervisor CPU Delay (%) ^	Idle Time (%) ^	Other Time (%) ^	Service Class (PI) ^
<input type="radio"/>	app1	2	2,048	41.1	6.8			Gold (0.72)
<input checked="" type="radio"/>	app2	2	2,048	39.9	9.7			Gold (0.72)
<input type="radio"/>	app3	2	2,048	38.1	9.7			Silver (0.50)
<input type="radio"/>	WebSvr	2	2,048	41.2	8.6			Gold (0.72)
Page 1 of 1		Total: 4 Filtered: 4 Displayed: 4 Selected: 1						

Virtual Server Charts

Workload Report : Hypervisor Report

Virtual Servers Report - Share_Workload

Report Interval: Starting 8/2/11 7:27:23 PM for 15 minutes (8/2/11 7:42:23 PM) [Modify](#)

--- Select Action ---

Virtual Server Resource Adjustments Report

Hypervisor Report

Monitor System Events

Monitors Dashboard

--- Table Actions ---

Show Filter Row

Clear All Filters

Edit Sort

Clear All Sorts

Configure Columns

Select	Virtual Server	Hypervisor Delay (%)	Idle Time (%)	Other Time (%)
<input checked="" type="radio"/>	app1	6.8		
<input type="radio"/>	app2	9.7		
<input type="radio"/>	app3	9.7		
<input type="radio"/>	WebSvr	7.7		

Page 1 of 1 Total: 4 Filtered: 4 Displayed: 4 Selected: 1

Report Interval: Starting 8/2/11 7:31:44 PM for 15 minutes (8/2/11 7:46:44 PM) [Modify](#)

Hypervisor Details:

Hypervisor: SHARESE1.hpm1 Processor count: 5 Total memory allocated for virtual servers: 6,144 MB
 Hypervisor type: PowerVM Total CPU consumption: 47.6% Total memory: 2,048 MB
 Total allocated processing units: 1.50

Virtual Servers:

--- Select Action --- Filter

Virtual Server	Processor Management Status	Processor Management Reason	Virtual Processors	Min Virtual Processors	Max Virtual Processors	Consumed Processors	Hypervisor Processing Unit Delay (%)	Allocated Memory (MB)	Dedicated	Capped	Processing Units	Initial Processing Units	Min Processing Units	Max Processing Units	Min Memory (MB)	Max Memory (MB)
app1	Not Active	None	2	1	10	0.82	6.8	2,048	--	--	0.50	0.10	0.10	10.00	1,024	4,096
app2	Not Active	None	2	1	10	0.80	9.7	2,048	--	--	0.50	0.10	0.10	10.00	1,024	4,096
app3	Not Active	None	2	1	10	0.76	9.7	2,048	--	--	0.50	0.10	0.10	10.00	1,024	4,096

Page 1 of 1 Total: 3 Filtered: 3 Displayed: 3

[Resource Adjustments](#)

Workload Report : Resource Adjustment

Virtual Servers Report - Share_Workload

Report Interval: Starting 8/2/11 7:27:23 PM for 15 minutes (8/2/11 7:42:23 PM) [Modify](#)

Select	Virtual Server	Virtual Server	Hypervisor	Processor	Idle Time (%)
<input checked="" type="radio"/>	app1				6.8
<input type="radio"/>	app2				9.7
<input type="radio"/>	app3				9.7
<input type="radio"/>	WebSvr				7.7

Page 1 of 1

Virtual Server Resource Adjustments Report - app1

Report Interval: Starting 8/2/11 7:27:23 PM for 15 minutes (8/2/11 7:42:23 PM) [Modify](#)

Successful Adjustments:

Receiver Virtual Servers	Receiver Workload	Receiver Service Class	Receiver Processing Units After (Before)	Donor Virtual Servers	Donor Workload	Donor Processing Units After (Before)	Time
Total: 0 Filtered: 0 Displayed: 0							

Failed Adjustments:

Receiver Virtual Servers	Receiver Workload	Receiver Service Class	Failure Reason	Time
Total: 0 Filtered: 0 Displayed: 0				

Workload Report : Service Class

Service Classes Report - Share_Workload

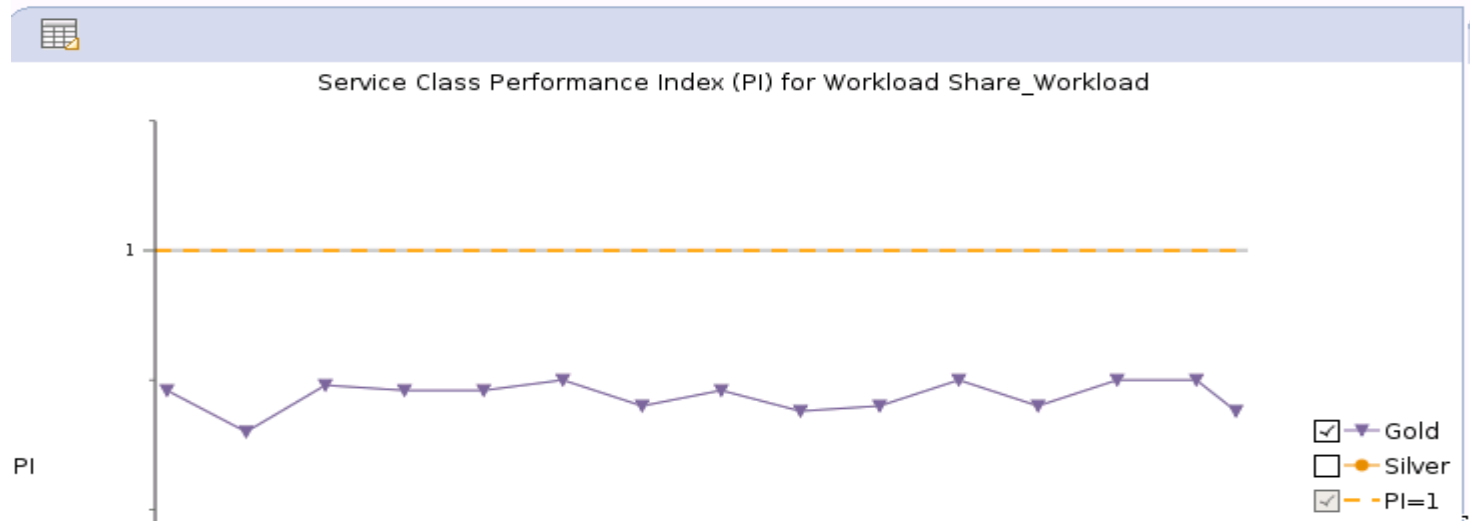
Report Interval: Starting 8/2/11 7:45:44 PM for 15 minutes (8/2/11 8:00:44 PM) [Modify](#)

--- Select Action --- Filter

Select	Service Class	Performance Policy	Current Performance	PI	Goal	Business importance
<input checked="" type="radio"/>	Default	ShareWkld_Policy			Velocity - Moderate	Medium
<input type="radio"/>	Gold	ShareWkld_Policy	Fastest	0.72	Velocity - Fast	Highest
<input type="radio"/>	Silver	ShareWkld_Policy	Fastest	0.50	Velocity - Moderate	Medium

Total: 3 Filtered: 3 Selected: 1

Service Class Charts



Workload Report : Historic view

Virtual Servers Report - Share_Workload

Report Interval: Starting 8/2/11 7:53:28 PM for 15 minutes (8/2/11 8:08:28 PM) [Modify](#)

Last: 15 minutes

Starting from: Date: 8/2/11 Time: 7:30:28 PM Duration: 5 minutes

Select	Virtual Server	Virtual Processors	Allocated Memory (MB)	Physical CPU Utilization (%)	Hypervisor CPU Delay (%)	Idle Time (%)	Other Time (%)	Service Class (PI)	OS Processes Total CPU Using Samples (%)	OS Pr Total Delay Samp
<input checked="" type="radio"/>	app1	2	2,048	41.4	6.7			Gold (0.72)		
<input type="radio"/>	app2	2	2,048	39.3	9.5			Gold (0.72)		
<input type="radio"/>	app3	2	2,048	37.5	9.5			Silver (0.50)		
<input type="radio"/>	WebSvr	2	2,048	41.5	8.6			Gold (0.72)		

Page 1 of 1 Total: 4 Filtered: 4 Displayed: 4 Selected: 1


Virtual Servers Report - Share_Workload

Report Interval: Starting 8/2/11 7:30:28 PM for 5 minutes (8/2/11 7:35:28 PM) [Modify](#)






Select	Virtual Server	Virtual Processors	Allocated Memory (MB)	Physical CPU Utilization (%)	Hypervisor CPU Delay (%)	Idle Time (%)	Other Time (%)	Service Class (PI)
<input checked="" type="radio"/>	app1	2	2,048	43.2	6.8			Gold (0.71)
<input type="radio"/>	app2	2	2,048	38.5	9.6			Gold (0.71)
<input type="radio"/>	WebSvr	2	2,048	37.5	6.5			Gold (0.71)

Page 1 of 1 Total: 3 Filtered: 3 Displayed: 3 Selected: 1

Monitor Dashboard

 **Virtual Servers Report - Share_Workload**

Report Interval: Starting 8/2/11 7:30:28 PM for 5 minutes (8/2/11 7:35:28 PM) [Modify](#)

--- Select Action --- ▼

Filter

Select ^	Virtual Server ^	CPU Usage (%) ^	Idle Time (%) ^	Other Time (%) ^	Service Class (PI)
<input checked="" type="radio"/>	app1	6.8			Gold (0.71)
<input type="radio"/>	app2	9.6			Gold (0.71)
<input type="radio"/>	WebSvr	6.5			Gold (0.71)
Page 1 of 1		Selected: 1			

Virtual Server Charts

--- Select Action ---

Virtual Server Resource Adjustments Report

Hypervisor Report

Monitor System Events

Monitors Dashboard

--- Table Actions ---

Show Filter Row

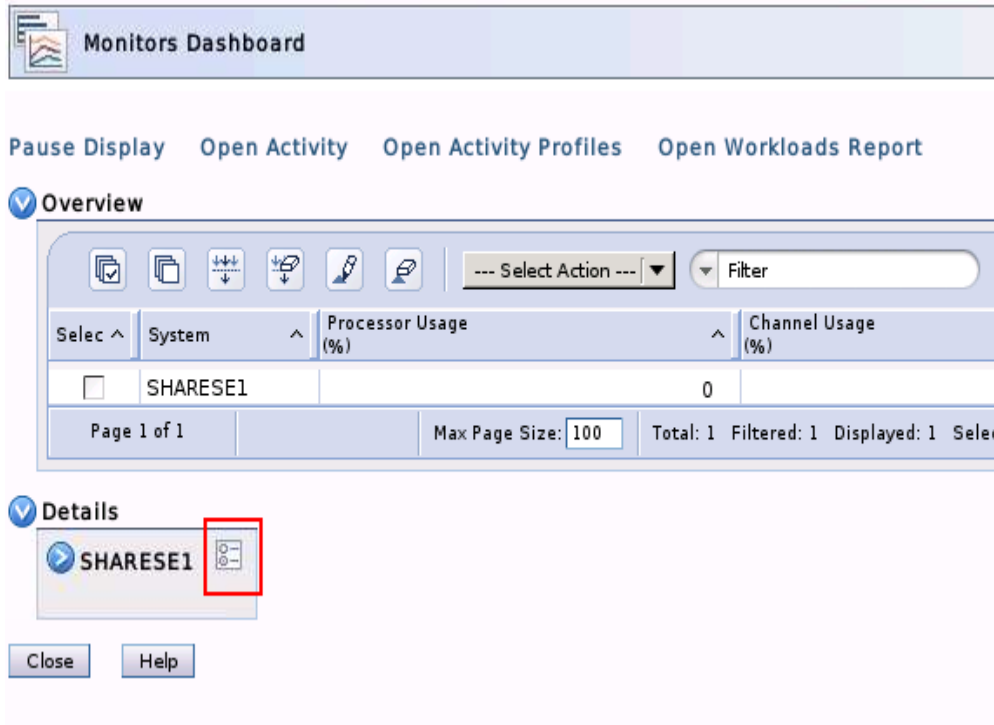
Clear All Filters

Edit Sort

Clear All Sorts

Configure Columns

Monitor Dashboard



Monitors Dashboard

Pause Display Open Activity Open Activity Profiles Open Workloads Report

Overview

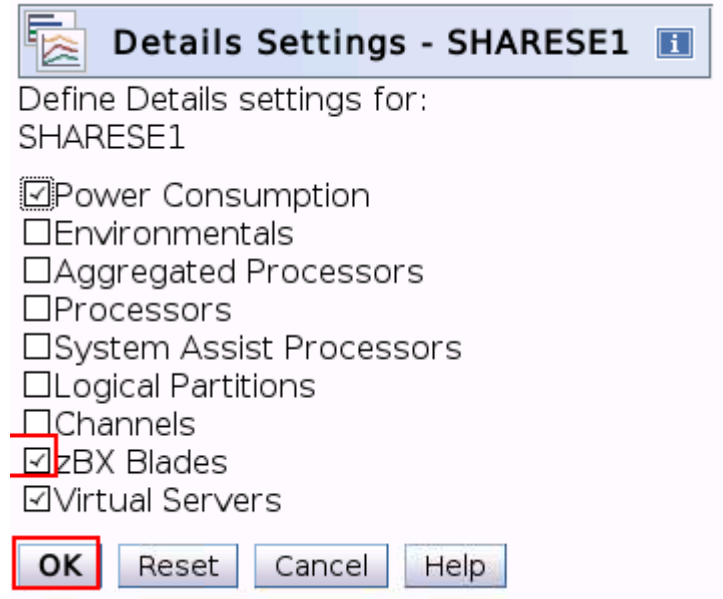
Selec ^	System ^	Processor Usage (%)	Channel Usage (%)
<input type="checkbox"/>	SHARESE1		0

Page 1 of 1 Max Page Size: 100 Total: 1 Filtered: 1 Displayed: 1 Sele

Details

SHARESE1

Close Help



Details Settings - SHARESE1

Define Details settings for:
SHARESE1

- Power Consumption
- Environmentals
- Aggregated Processors
- Processors
- System Assist Processors
- Logical Partitions
- Channels
- zBX Blades
- Virtual Servers

OK Reset Cancel Help

Monitor Dashboard

SHARESE1

Power Consumption






--- Select Action --- Filter

Select ^	Name ^	Power Consumption (kW) (Btu/hr) ^	Average Voltage (V) ^
<input type="checkbox"/>	SHARESE1	2.873 9,803.083	
<input type="checkbox"/>	zCPC	1.000 3,412.142	
<input type="checkbox"/>	BladeCenter B01B	1.873 6,390.941	
<input type="checkbox"/>	zBX Blade B.2.10	0.382 1,303.438	
<input type="checkbox"/>	zBX Blade B.2.11	0.371 1,265.905	

Page 1 of 1 Max Page Size: 100 Total: 8 Filtered: 8 Displayed: 8 Selected: 0

zBX Blades









--- Select Action --- Filter

S ^	Name ^	Type ^	Processor Usage (%) ^	Memory Usage (%) ^	Network I/O Usage (%) ^
<input type="checkbox"/>	B.2.10	PWRBLADE	 32	 62	
<input type="checkbox"/>	B.2.11	PWRBLADE	0	 7	
<input type="checkbox"/>	B.2.12	PWRBLADE	 100	 16	
<input type="checkbox"/>	B.2.13	PWRBLADE	0		
<input type="checkbox"/>	B.2.14	PWRBLADE	0		

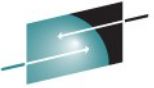
Page 1 of 1 Max Page Size: 100 Total: 5 Filtered: 5 Displayed: 5 Selected: 0

Virtual Servers

--- Select Action --- Filter

Select ^	Name ^	Hypervisor ^	Processor Usage (%) ^	Memory Usage (%) ^
<input type="checkbox"/>	app1	B.2.10	 24	 50
<input type="checkbox"/>	app2	B.2.10	 33	 50
<input type="checkbox"/>	app3	B.2.10	 24	 50
<input type="checkbox"/>	WebSvr	B.2.12	 50	 50

Page 1 of 1 Max Page Size: 100 Total: 4 Filtered: 4 Displayed: 4 Selected: 0



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Thank You

