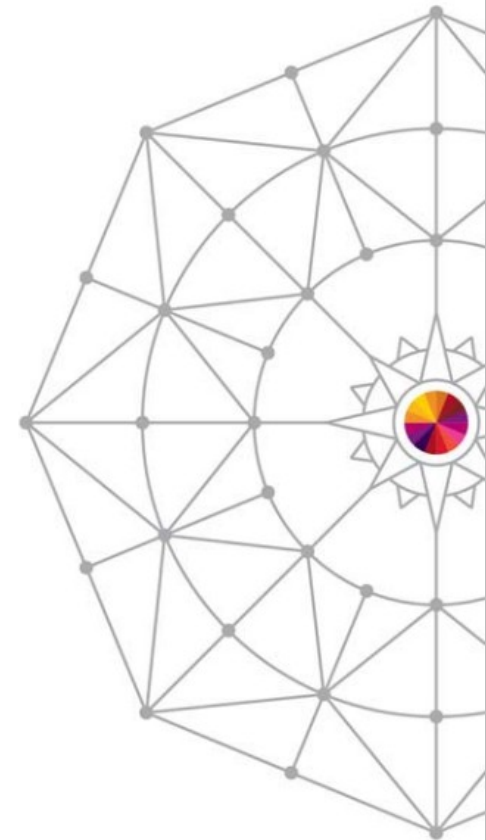
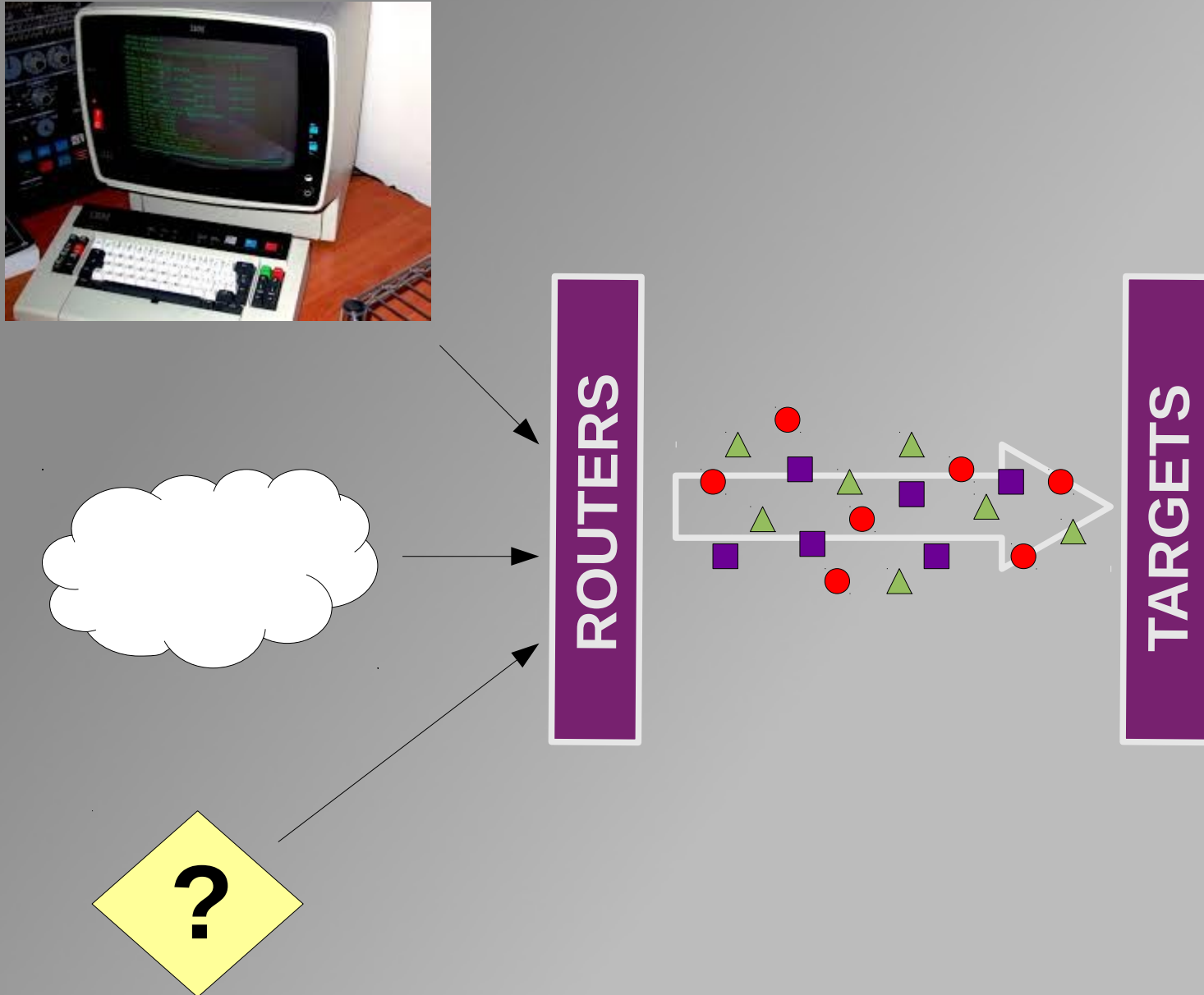


CICS Explorer 5.2: Workload Management and more

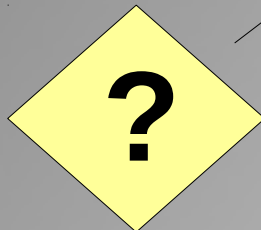
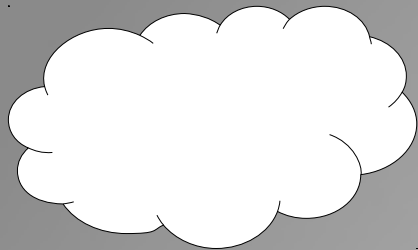
Stewart Francis – CICS Explorer Lead Developer
stewartfrancis@uk.ibm.com



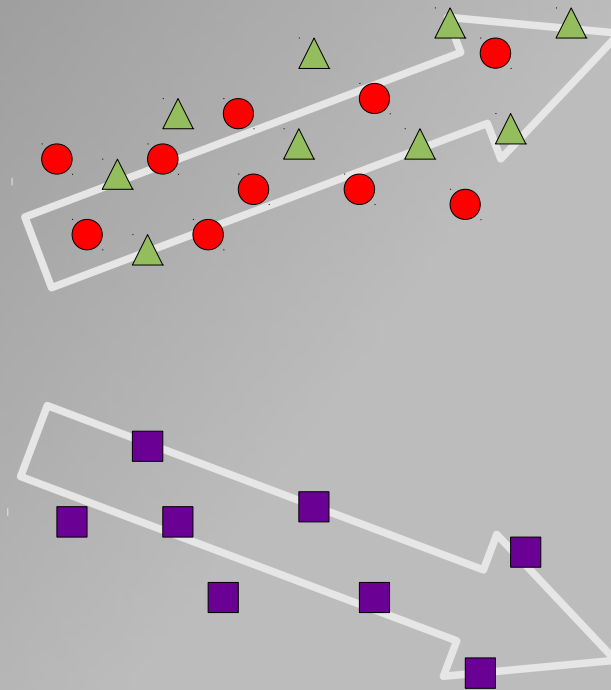
CPSM workload management



With workload separation



ROUTERS



TARGETS A

TARGETS B

CPSM workload management is highly **flexible**

Flexibility comes at the expense of accessibility

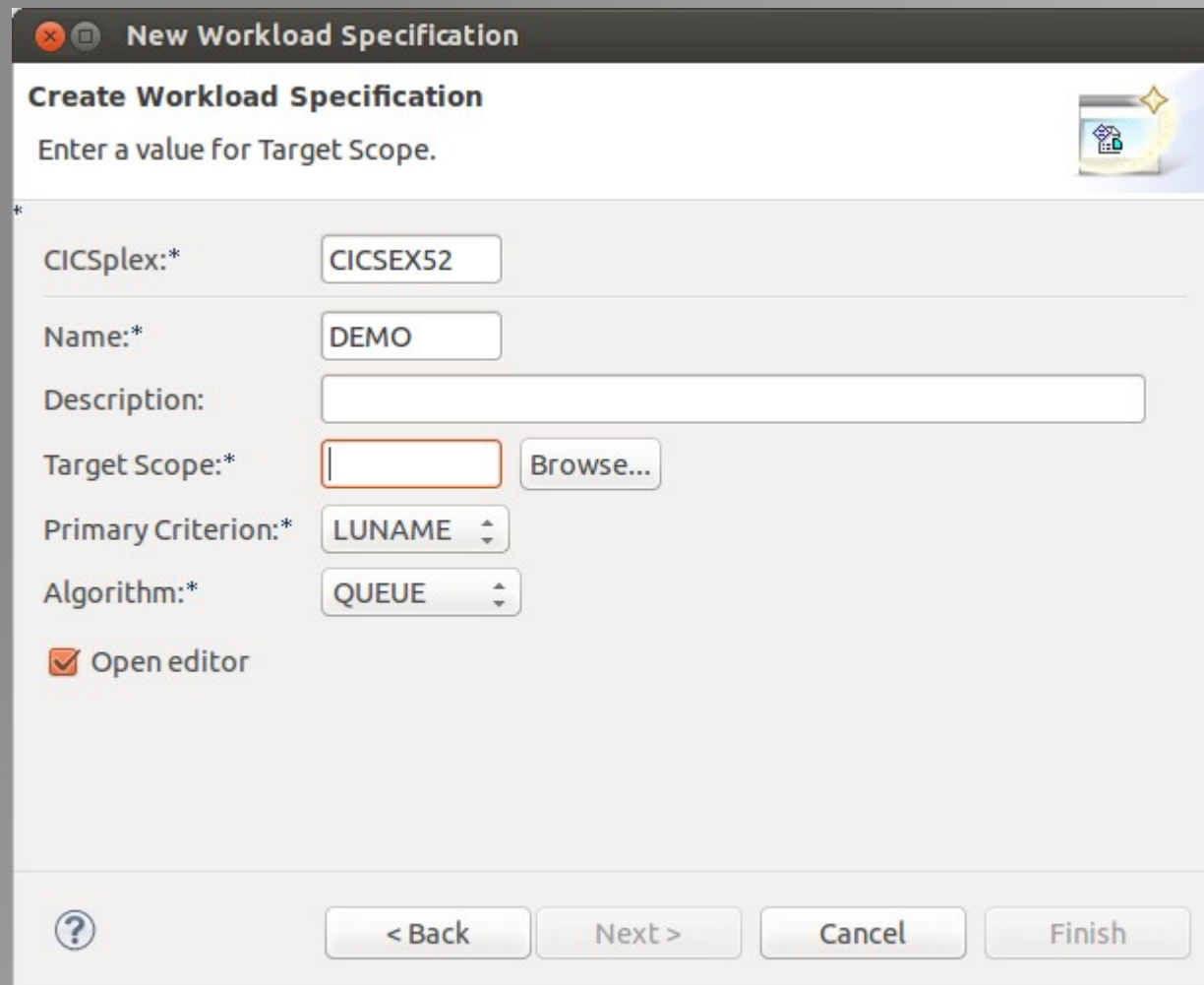
CICS Explorer 5.2 provides an **intuitive** UI for administering and monitoring CPSM workload management

... without sacrificing any of the flexibility?

Important facts:

- Backward compatible up to CICS TS 4.1**
- Works with existing workloads**
- Requires CMCI to update**

Create a workload specification



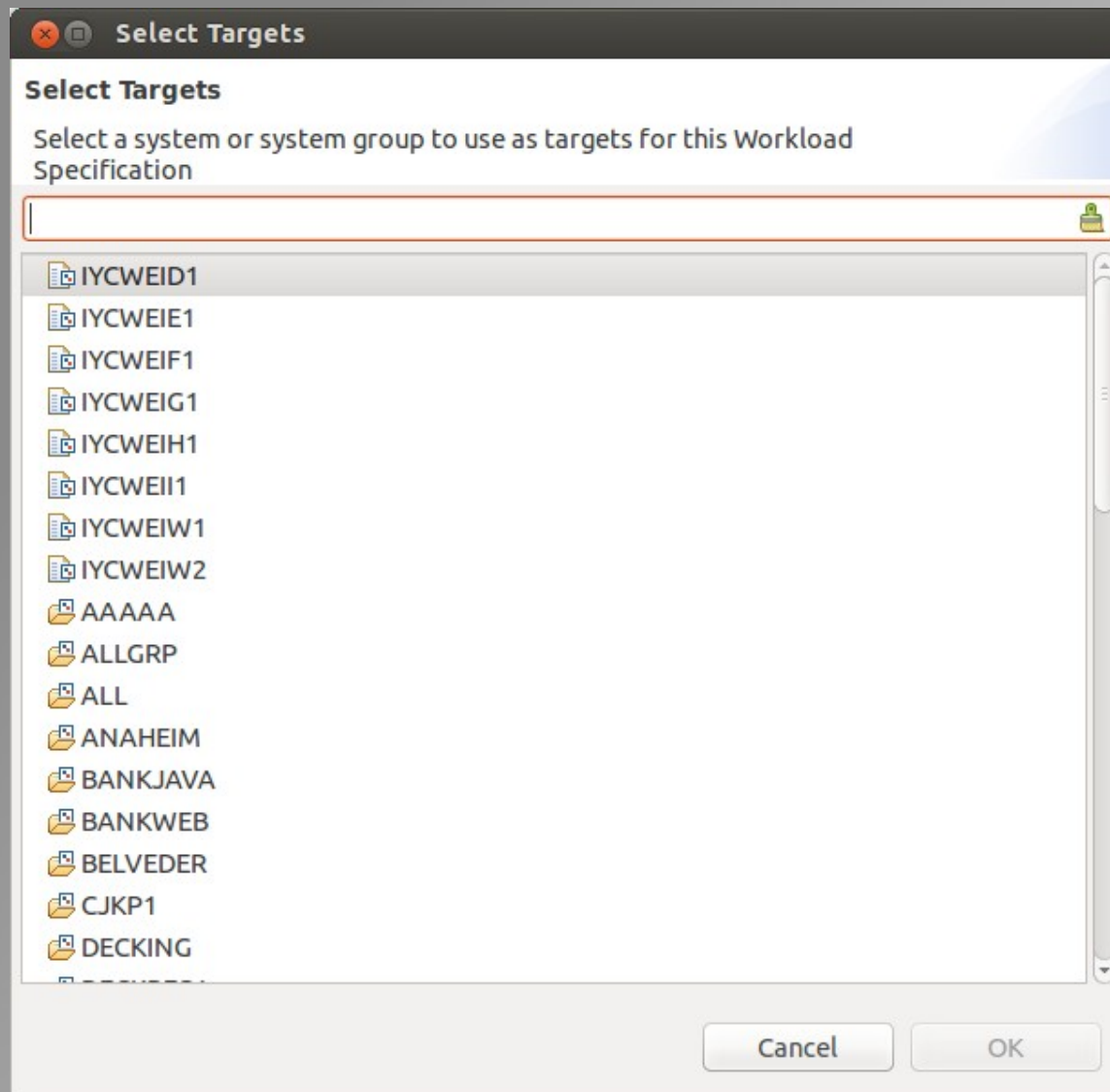
The image shows a 'New Workload Specification' dialog box. It has a title bar with a close button, a maximize button, and the text 'New Workload Specification'. Below the title bar, the main heading is 'Create Workload Specification' with a small icon of a folder and a star. Below this is the instruction 'Enter a value for Target Scope.'.

The form contains the following fields and controls:

- CICSplex:***: A text box containing 'CICSEX52'.
- Name:***: A text box containing 'DEMO'.
- Description:**: An empty text box.
- Target Scope:***: A text box with a red border, currently empty, followed by a 'Browse...' button.
- Primary Criterion:***: A dropdown menu showing 'LUNAME'.
- Algorithm:***: A dropdown menu showing 'QUEUE'.
- Open editor**: A checkbox that is checked.

At the bottom of the dialog, there is a help icon (a question mark in a circle) and four buttons: '< Back', 'Next >', 'Cancel', and 'Finish'.

Browse for a default target scope



Edit a workload specification

Workload Specification (DEMO)

DEMO

Description: My Demo Workload

Routers

Rules

Default rule

Targets

Targets:*
Algorithm:
Primary criterion:
Event:

DEMOGRP1

GOAL

LUNAME

Browse...

Affinities

☐ These transactions establish affinities

Relationship: LUNAME

Lifetime: PCONV

☐ Automatically create affinities

Abends

☐ These transactions have abend thresholds

Threshold: 98%

Critical: 99%

Routing rules for specific work

Rules

Default rule

> Rule 20

Targets

Targets:*

Browse...

Terminal LU name:

*

User ID:

*

BTS process type:

*





Transactions

No transactions are specifically identified for routing. This means these workload separation rules will apply to all transactions. To apply these rules to specific transactions, select an existing transaction group, or define a new one.

Select Transaction Group...


Create Transaction Group

Specify a transaction group

Rules    

Default rule

> Rule 20



Targets 

Targets: *

Terminal LU name:

User ID:


BTS process type:


Transactions  


Name:

Description:


Transactions:

Algorithm: 


Primary criterion: 

Status: 

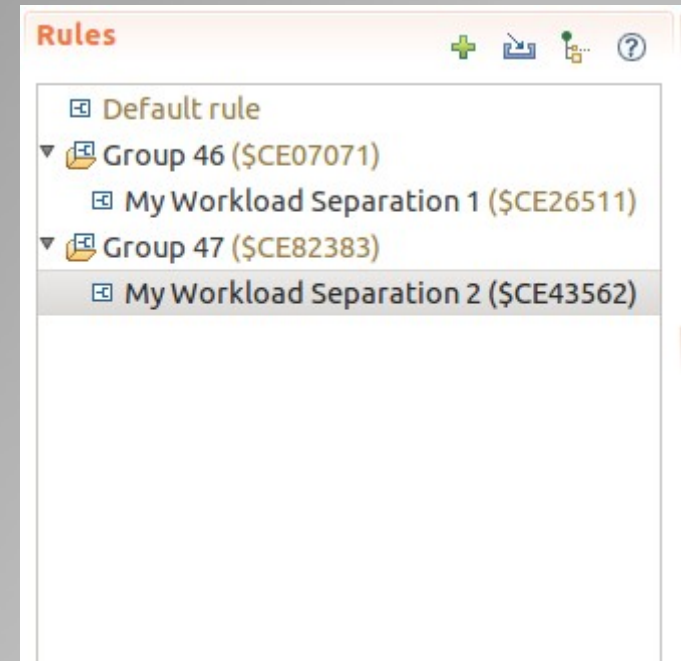
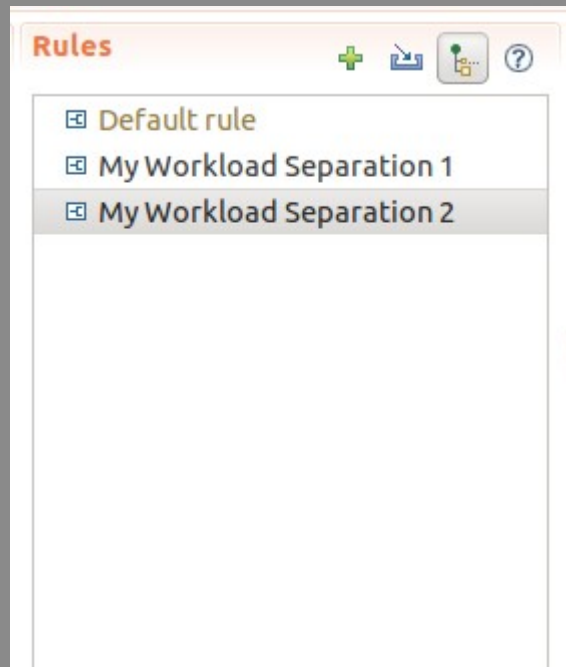
Event:

Affinities 

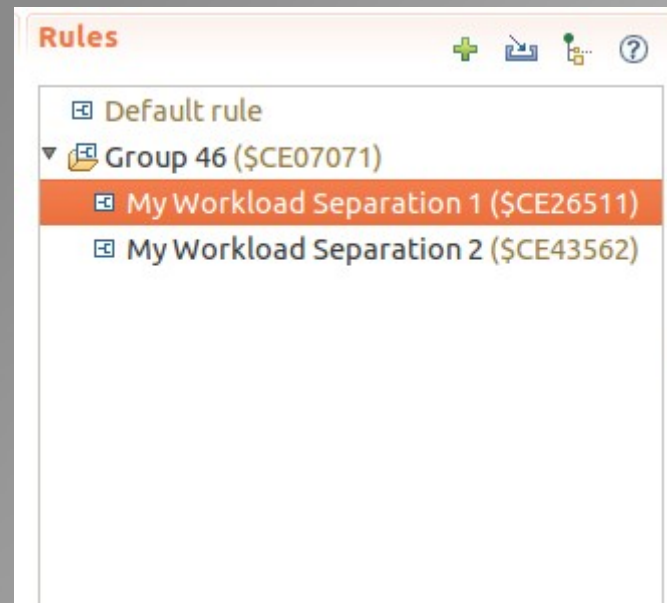
☐ These transactions establish affinities

Relationship: 

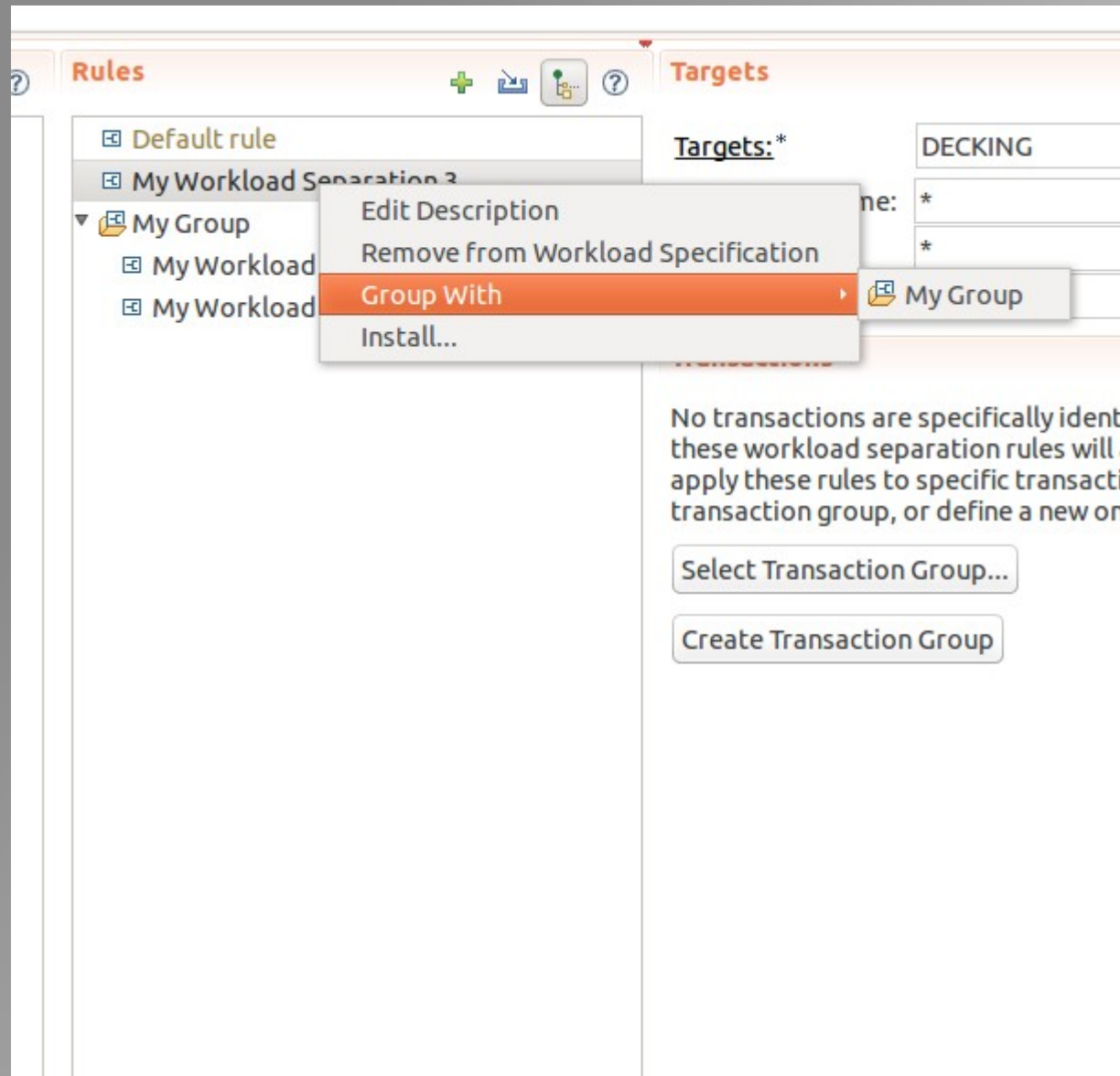
Show more detail



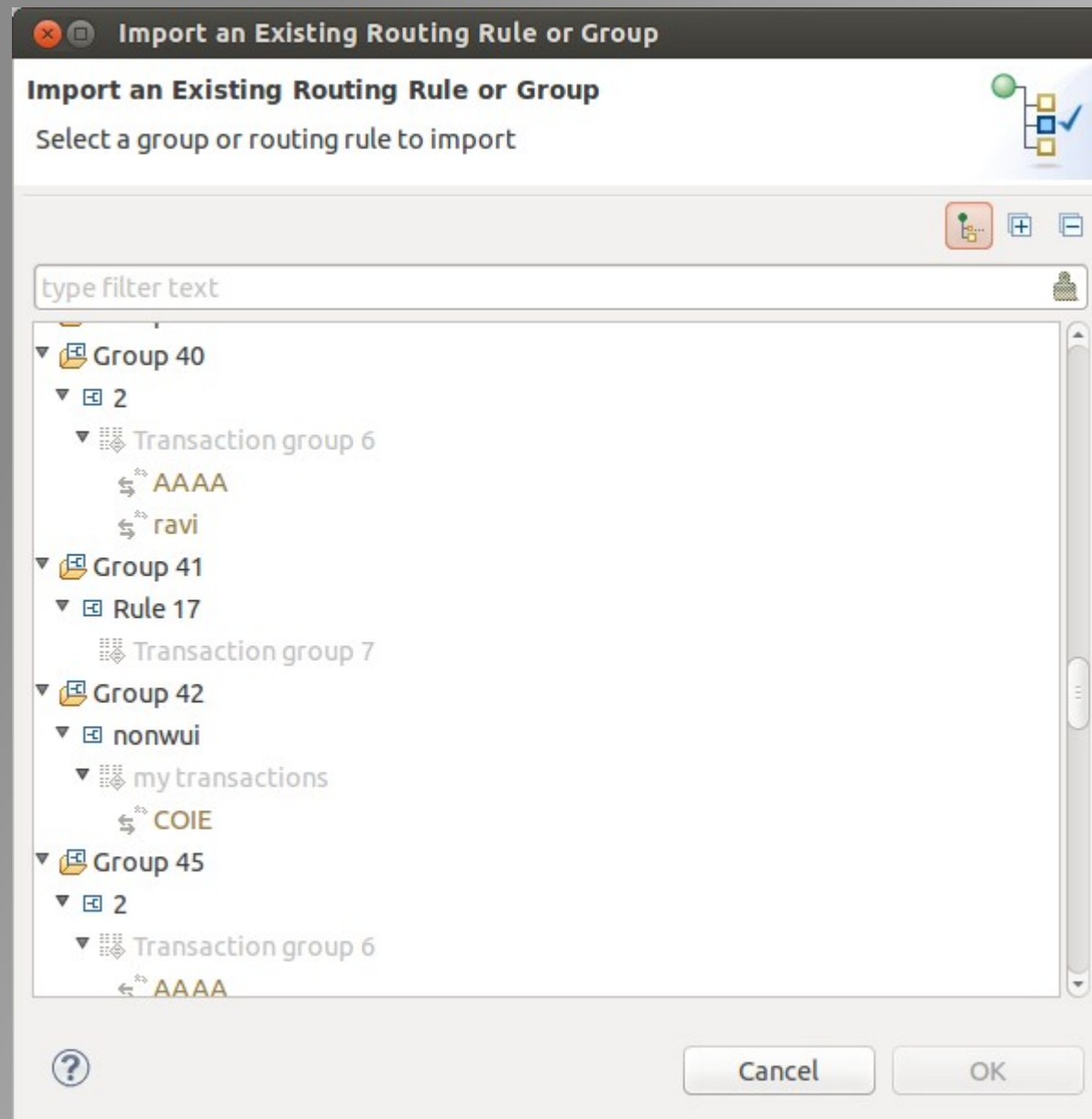
Organise rules into groups



Organise rules into groups



Reuse rules from other workloads



Reconcile errors

*Workload Specification (DEMO)

DEMO Invalid value for attribute: Target scope

Description: My Demo Workload

Routers

Rules

Default rule

My Workload Separation 3

My Group

- My Workload Separation 1
- My Workload Separation 2

Targets

Targets:*

Terminal LU name: *

User ID: *

BTS process type: *

Transactions

No transactions are specifically identified for routing. This means these workload separation rules will apply to all transactions. To apply these rules to specific transactions, select an existing transaction group, or define a new one.

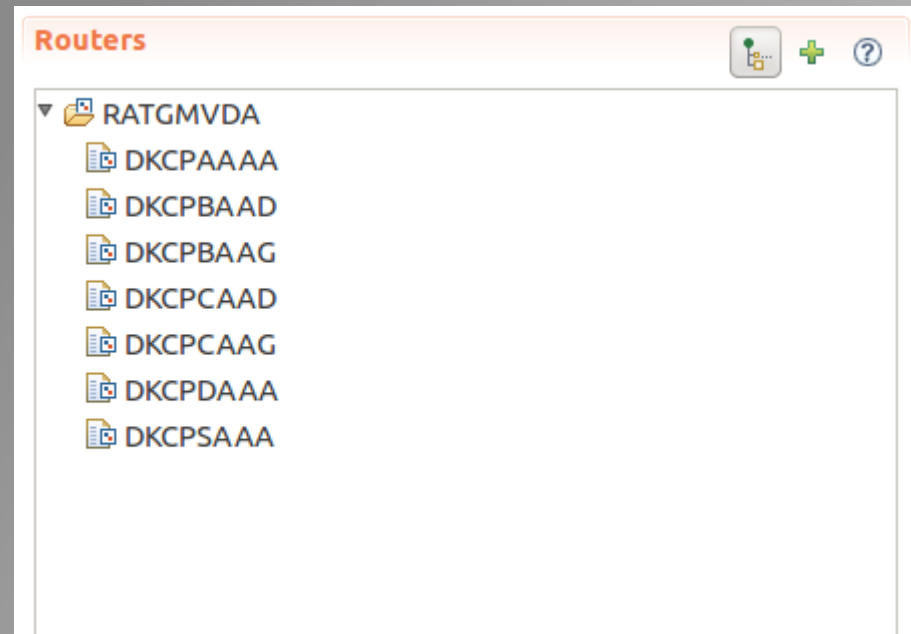
Select Transaction Group...

Create Transaction Group

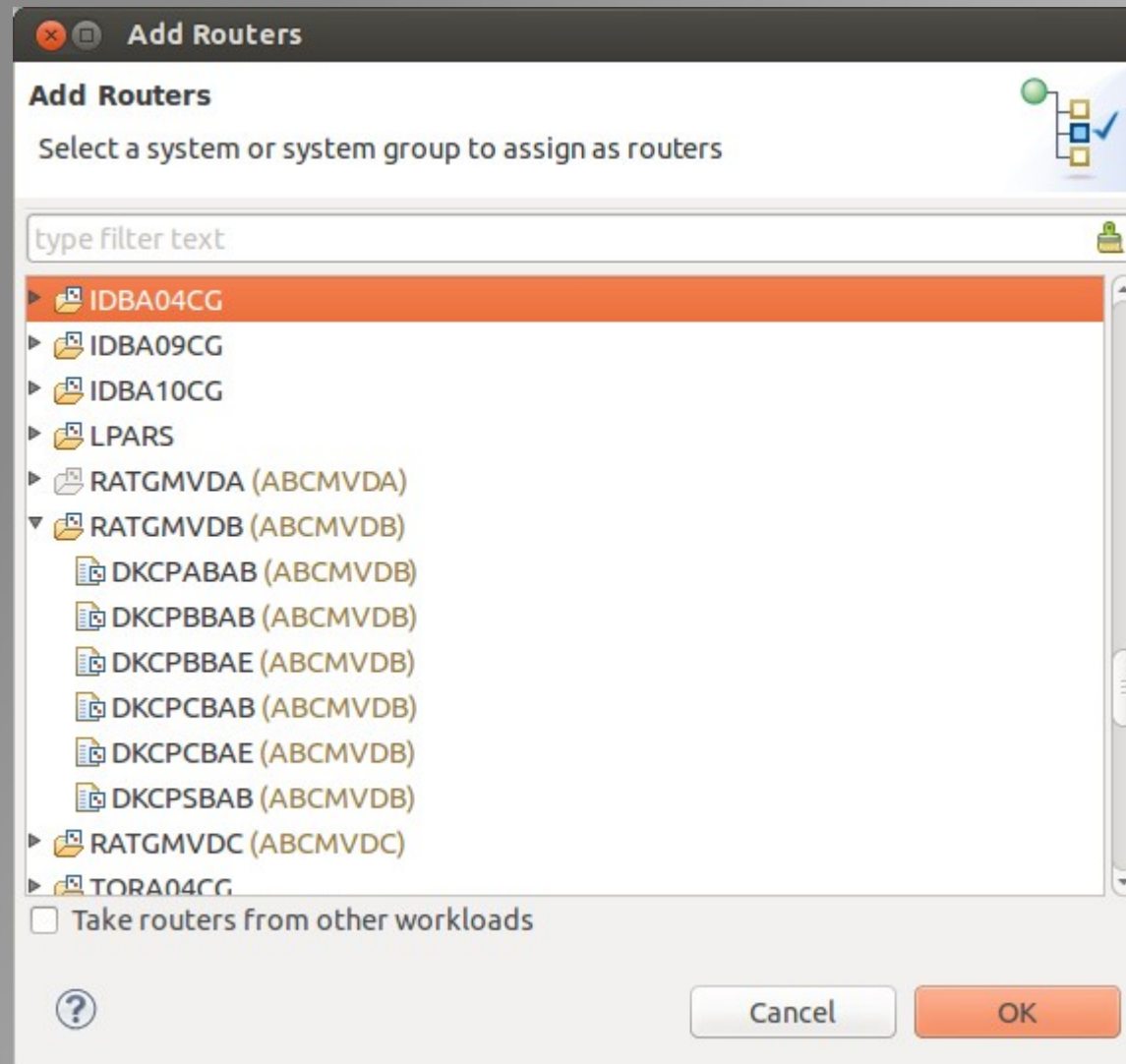
Invalid value for attribute: Target scope

Browse..

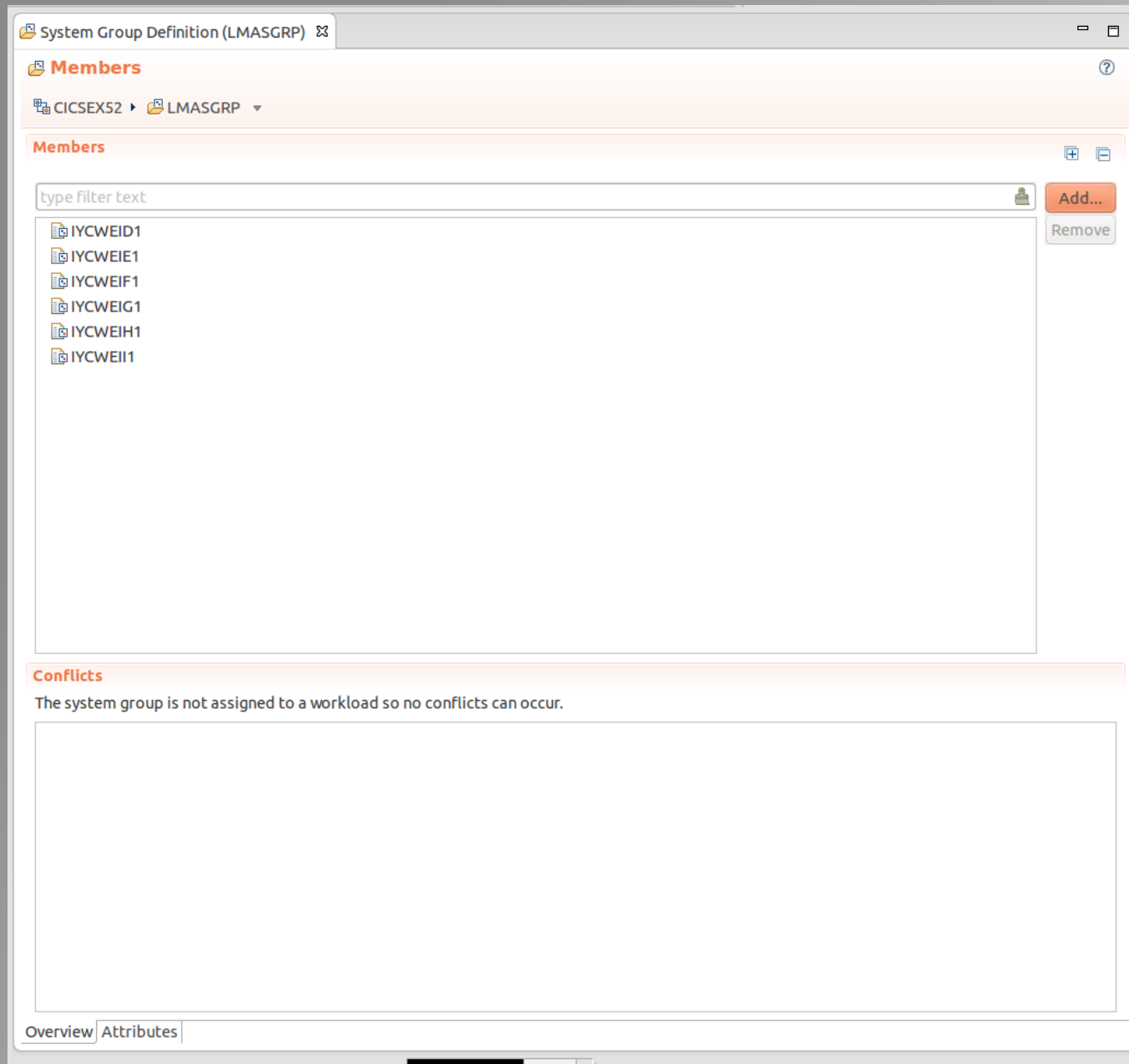
Define workload routers



Associate regions as routers



Edit system groups



It scales!

File Edit Search Operations Definitions Window Help

Quick Access CICS SM z/OS Resource CICS DA

Workload Specification (ABCMVDA)

ABCMVDA

Description: ROUTE TO ALL TARGETS FROM MVDA

Routers

- RATGMVDA
 - DKCPAAAA
 - DKCPBAAD
 - DKCPBAAG
 - DKCPCAAD
 - DKCPCAAG
 - DKCPDAAA
 - DKCPSAAA

Rules

- Default rule
 - DEF60183 .qualified LUNAME
 - DEF60183 *.qualified LUNAME
 - DEF60183 Fully.qualified LUNAME
 - DEF60183 netname.* LUNAME
 - DEF60183 unqualified LUNAME
 - Mixed to MVDA
 - ROUTE TO DB2 OWNING RGNS (1)
 - ROUTE TO FILE OWNING RGNS (1)
 - ROUTE TO QUEUE OWNING RGNS (1)
 - Rule 3
 - Rule 4
 - Upper to MVDB
- A04 AOR SEPARATION TO PBAA
 - D: Routing A04 to AORs by Full LUName
 - D: Routing A04 to AORs by Full Network LUName
 - D: Routing A04 to AORs by User and LUName
 - D: Routing A04 to AORs by User and LUName
 - D: Routing A04 to AORs by Userid
 - D: Routing A04 to AORs When/Where
 - D: Routing A04 to AORs When/Where
 - D: Routing A09 to AORs by Full LUName
 - D: Routing A09 to AORs by Full Network LUName
 - D: Routing A09 to AORs by User and LUName
 - D: Routing A09 to AORs by User and LUName
 - D: Routing A09 to AORs by Userid
 - D: Routing A09 to AORs When/Where
 - D: Routing A09 to AORs When/Where
 - D: Routing A10 to AORs by Full LUName
 - D: Routing A10 to AORs by Full Network LUName
 - D: Routing A10 to AORs by User and LUName
 - D: Routing A10 to AORs by User and LUName
 - D: Routing A10 to AORs by Userid
 - D: Routing A10 to AORs When/Where

Targets

Targets: TARGET2A Browse...

Algorithm: QUEUE

Primary criterion: LUNAME

Event:

Affinities

☐ These transactions establish affinities

Relationship: LUNAME

Lifetime: PCONV

☐ Automatically create affinities

Abends

☐ These transactions have abend thresholds

Threshold: 98%

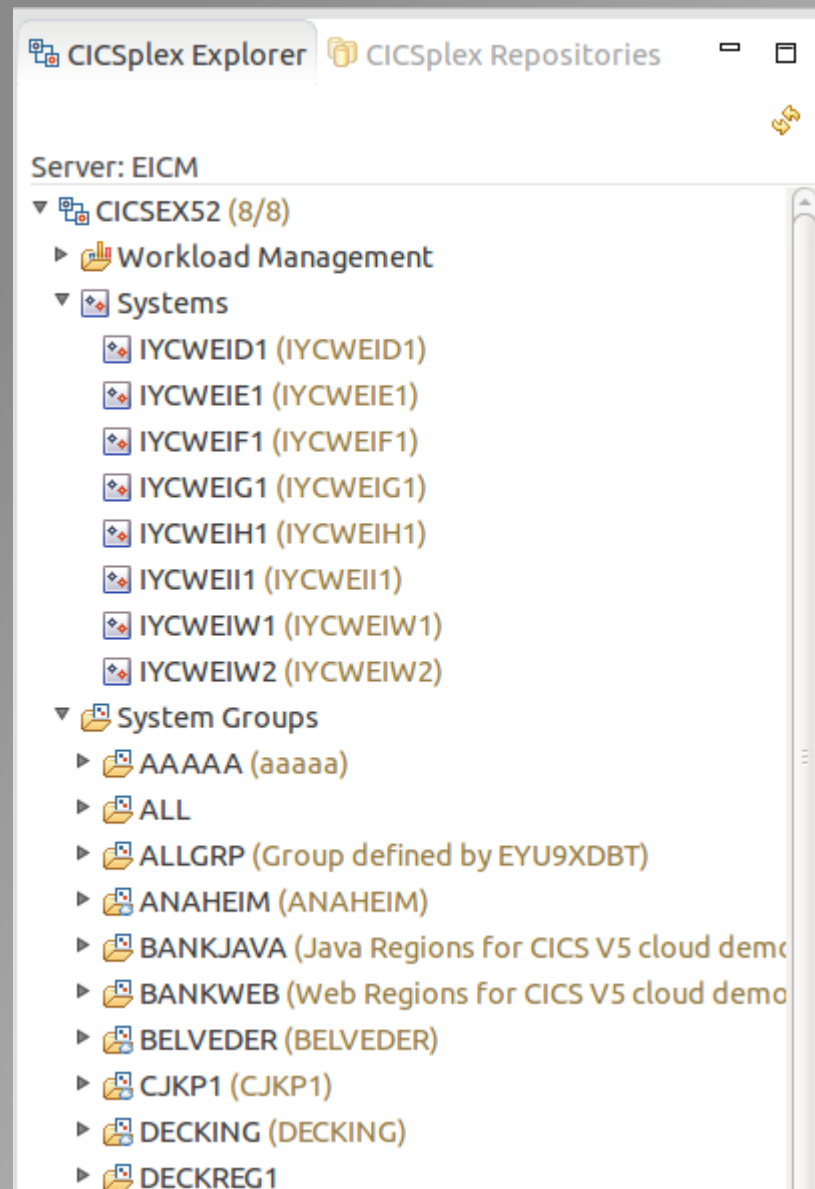
Critical: 99%

Overview

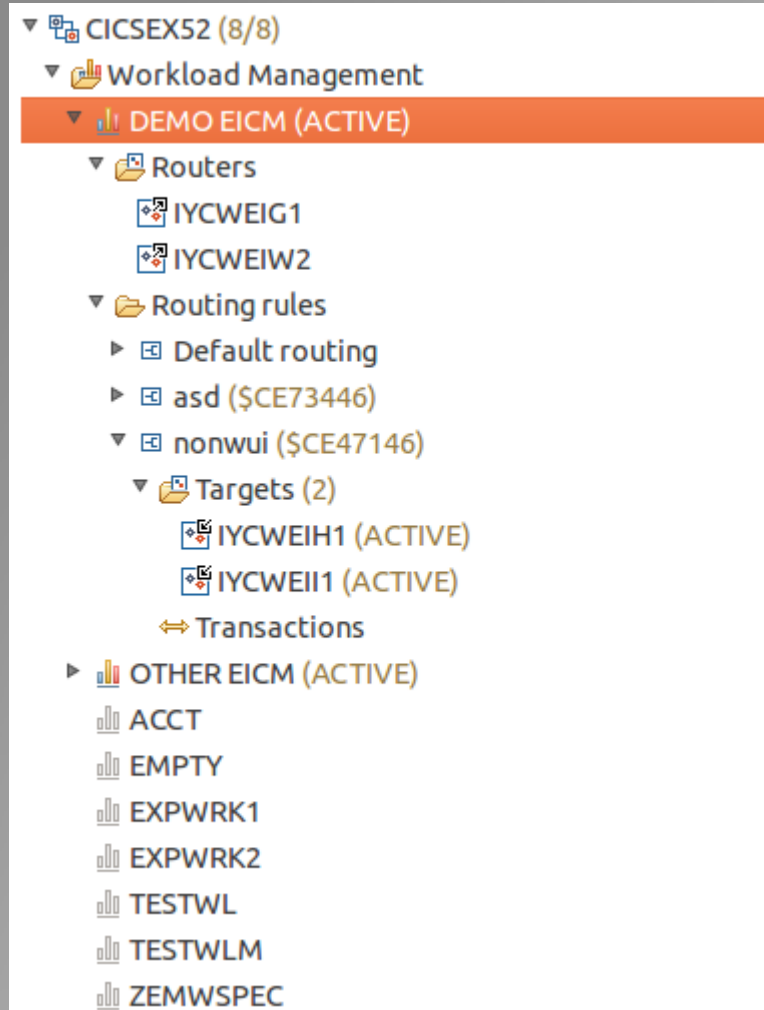
50M of 70M

winmvda:22602

CICSplex Explorer grouping



View active workloads



Examine router statistics

Default routing (DEMO)

Targets

CICSEX52 ▸ DEMO ▾

Details

Targets: DEMOGRP1

Target Distribution Factors

Target Region:

CNX0211I Context: CICSEX52. Resource: WLMAWAOR. 2 (filtered) records collected at 1 Aug 2014 22:26:38

Target Re	Status	Contact S	Routing L	MAXTASK	Task Cour	Health Sh	Health St	Health Du	Health M
IYCWEIW1	ACTIVE	N_A	4	500	75	NO	NO	NO	NO
IYCWEIW2	ACTIVE	N_A	4	500	75	NO	NO	NO	NO

Target Statistics

Target Region:

CNX0211I Context: CICSEX52. Resource: WLMATARG. 2 records collected at 1 Aug 2014 22:26:38

Target Re	Reporting	Optimizat	Optimizat	Routing W	Routing L	Task Load	Task Load	Route Sel	Route Ab
IYCWEIW1	IYCWEICM	INACTIVE	DISABLED	880	4	0	60	0	0
IYCWEIW2	IYCWEICM	INACTIVE	DISABLED	880	4	0	60	0	0

Targets Transactions Attributes

See active transaction groups

The screenshot shows a web application interface for managing transaction groups. At the top, there are tabs for 'Default routing (DEMO)', 'Routing Rule: asd (\$CE73446)', and 'Routing Rule: nonwui (\$CE47146)'. The main section is titled 'Transactions' and shows a breadcrumb path: 'CICSEX52 > DEMO > \$CE47146'. Below this, a 'Details' section displays various configuration parameters for the transaction group. These include 'Transaction group status' (ACTIVE), 'Default algorithm' (INHERIT), 'Active transaction count' (1), 'Primary search criterion' (LUNAME), 'Transaction group' (\$CE54154), 'Acceptable target region load level' (0), 'Acceptable abend level' (0), 'Default affinity relation' (NONE), 'Default affinity lifetime' (NONE), 'Automatic affinity creation' (N_A), and 'Event name'. Below the details, there is a section titled 'Transactions' with a search bar for 'Transaction ID' and a table of results. The table has two columns: 'Transaction ID' and 'Pseudoconversational Mode'. The first row shows 'COIE' and 'N_A'. At the bottom, there are tabs for 'Targets', 'Transactions', 'Affinities', and 'Attributes', with 'Transactions' currently selected.

Default routing (DEMO) Routing Rule: asd (\$CE73446) Routing Rule: nonwui (\$CE47146)

Transactions

CICSEX52 > DEMO > \$CE47146

Details

Transaction group status: ACTIVE Acceptable target region load level: 0

Default algorithm: INHERIT Acceptable abend level: 0

Active transaction count: 1 Default affinity relation: NONE

Primary search criterion: LUNAME Default affinity lifetime: NONE

Transaction group: \$CE54154 Automatic affinity creation: N_A

Event name:

Transactions

Transaction ID:

CNX0211I Context: CICSEX52. Resource: WLMATRAN. 1 (filtered) records collected at 1 Aug 2014 22:28:55

Transaction ID	Pseudoconversational Mode
COIE	N_A

Targets Transactions Affinities Attributes

See active affinities

Default routing (DEMO)

Routing Rule: asd (\$CE73446)

Routing Rule: nonwui (\$CE47146)

Affinities

CICSEX52 ▶ DEMO ▶ \$CE47146 ▼

Affinities

🔗 ⚙️ | 🟢 ✖️ ▼

CNX0211I Context: CICSEX52. Resource: WLMATAFF. 0 (filtered) records collected at 1 Aug 2014 22:28:55

Routing R	Affinity	Lifetime	User ID	LU Name	Routing R	Terminal I	Network I	Local UOV	CBTS Activ

Targets

Transactions

Affinities

Attributes