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## Custom Monitoring Views

Custom Monitoring Views are a useful tool to help organise the workload jobs into manageable chunks. The View selects its constituent jobs using a variety of attributes for example; name, status, application, timezone to name a few.

This can result, however in many views being created by different users that clutter the interface, slowing user access to the needed information. By using a structured approach to views and WCC security policy in EEM you can control who creates Views and the Views users can see. Here are some suggestions and ideas for securing the Views.

### Views by Role

View Name	View Access	View/Create/Modify/Delete Access	Policy type	Policy Name
OP-*	Operator	Supervisor, Commander	Identity Access Control List	MonitorViewOP
SC-*	Scheduler	Supervisor, Commander	Identity Access Control List	MonitorViewSC
EX-*	Executive	Supervisor, Commander	Identity Access Control List	MonitorViewEX

### Views by User

These views can be created by the user, and appear only for user and the Commander role.

View Name	View/Create/Modify/Delete Access	Policy type
username-*	user(Principal Name), Commander	Access Policy

### Example Policy View by Role

These screen shots show the policy for Operator. The Scheduler and Executive are similar with the appropriate changes from the Views by Role table above.



You can create a new MonitorViewControl policy by clicking on the "New Access Policy" button

**General**

**Folder:**  
**Name:** MonitorViewOP

**Description:** This policy controls access to Operator Monitoring views.

**Calendar:** [Dropdown]

**Resource Class Name:** MonitorViewControl

**Type:**

- Access Policy
- Access Control List
- Identity Access Control List

Explicit Deny  
 Disabled  
 Pre-Deployment  
 Assign Labels

**Identity Access Control List Configuration**

**Enter / Search Identities**

**Type:** Dynamic Group [Dropdown] **Search Identities** [Button]

**Identity:** [Text Input]

**Selected Identities**

Identities	Actions
	Create   Modify   Delete   View
[Default]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Commander	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
ConsoleOperator	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Supervisor	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

**Annotations:**

- Select Identity Access Control List
- Search and select the Dynamic Groups
- Set the permissions

**Resources**

view/OP-.+ /JobFlow [Text Input]

**Add resource:** [Text Input] [Add Button]

**Treat resource names as regular expressions**

**Annotations:**

- Add the resource mask
- Check the regex flag

Save the policy. Remember you can use "Save As" to create the next MonitorViewControl policy.

## Example Policy View by User

These screen shots show the policy for Operator. The Scheduler and Executive are similar with the appropriate changes from the Views by Role table above.

**General**

**Folder:**  
**Name:** MonitorViewIndividual

**Description:** Allows individual users to create and manage their own Monitoring Views

**Calendar:** [Dropdown]

**Resource Class Name:** MonitorViewControl

**Type:**  Access Policy  Access Control List  Identity Access Control List

Explicit Deny  
 Disabled  
 Pre-Deployment  
 Assign Labels

Select Access Policy

**Identities**

**Enter / Search Identities**

**Type:** Dynamic Group [Dropdown] Search Identities

**Identity:** [Text Box]

Search and select the Dynamic Groups for the policy

**Selected Identities**

- [Dynamic Group] ConsoleOperator
- [Dynamic Group] Scheduler
- [Dynamic Group] Executive
- [Dynamic Group] Commander
- [Dynamic Group] Supervisor

**Access Policy Configuration**

Resources	Actions
<b>Add resource:</b> [Text Box]	Create   Modify   Delete   View   [All Actions]
view/.+/JobFlow	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

Treat resource names as regular expressions

Check the regex flag

Set the mask for all Views

**Filters**

Logic	(	Left type/value	Operator	Right type/value	)	Actions
NONE	(	named attribute viewName	STRING STARTSWITH --*	global user Principal Name <small>The attribute PrincipalName is compatible only with r12 clients</small>	)	
OR	(	dynamic user group Name	STRING EQUAL ==	value Commander	)	
OR	(	dynamic user group Name	STRING EQUAL ==	value Supervisor	)	

**Filters**

```

WHERE ( named attribute: name:viewName --* global user: gu:PrincipalName )
OR ( dynamic user group: dug:Name == value: val:Commander )
OR ( dynamic user group: dug:Name == value: val:Supervisor )

```

Note this policy allows Commander and Supervisor roles to manage all Views.  
Remember to disable the default policy "MonitorViewControlDefault".

### WCC Sample Views

Here is a sample "Views" widget for a "Supervisor", which includes all Views.

**Views**

Name	Job...	Serv...	Aler...	Jobs	Box...	Status Time
ejmoperator-1				3131	127	Sep 26, 2017 2:55:18...
paul-view1				27	7	Sep 27, 2017 12:57:46...
SC-app1				27	7	Sep 27, 2017 11:43:43...
ejmoperator-v2				27	7	Sep 26, 2017 3:06:45...
OP-failed				19	5	Sep 26, 2017 5:27:14...
OP-terminated				3	0	Sep 27, 2017 2:28:17...
OP-running				1	2	Sep 26, 2017 5:11:14...

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The next view is for an Operator, it includes only the Operator Views and personal Views.

Name	Job S...	Serv...	Aler...	Jobs	Box J...	Status Time
OP-terminated				19	0	Sep 26, 2017 5:27:14...
OP-on_hold				239	20	Sep 27, 2017 2:55:24...
OP-running				1	2	Sep 26, 2017 5:11:14...
OP-terminated				3	0	Sep 27, 2017 2:28:17...
OP-waiting				1	0	Sep 27, 2017 2:57:01...
ejmoperator-1				3131	127	Sep 26, 2017 2:55:18...
ejmoperator-v2				27	7	Sep 26, 2017 3:06:45...

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If the operator tries to modify one of the shared Operator views the following message is generated.

**View Editor**

**Error: E140254 Permission denied. You do not have permission to modify the view.**

**View**

View Name: OP-running

Job Columns: Name, Job Type, Status, Server, Run Machine, Status Time

For more detailed steps in creating MonitorViewControl policy see "Set Up and Verify CA EEM Security Policies" in the WAAE documentation at <https://docops.ca.com>. There is an example in Technical Document ID: TEC1197051 "How to Filter Monitoring Views in WCC".