### Configuring Advanced Security in Asset Manager

Creating a **Group** allows the segmentation of the user data space allowing users to only view the appropriate information for which they are allowed. This in essence gives the Administrator the ability to provide varying degrees of "access control" to different groups of users. The controllable sections of the Asset Manager software include:

- Alert Actions
- Alert Thresholds
- Asset Builder Jobs
- Assets
- BIRT Templates
- Custom Types
- Event Actions
- Event Triggers
- Graphs
- Locations
- Maps
- Map Views
- Reader Serial Devices
- Reports
- Report & Graph Actions
- Report & Graph Output
- Templates
- Tag Groups
- Views
- Unassigned Tags
- User Dashboards

To begin setting up this configuration, there are a couple of settings that must be enabled in Asset Manager: Advanced Asset Security and Location Restrictions

1. Enable Advanced Asset Security

### Go to Admin Console > Configuration > Server > Asset Security

**NOTE:** Enabling this setting will require a restart of your Asset Manager service (meaning the application, not the entire computer/server where it resides), so be sure you want to do this before clicking the Save Changes button.

To Enable Advanced Asset Security, click the checkbox and click the Save Changes button.

📕 Asset Manage	r Adn	inistration: Server				RF <b>CODE</b>
Bookmarks 💌 🔮	7	Region Settings				
Dashboard	٠	Select units of measure used by the server when running non-interactive actions (alerts, scheduled reports):	English			
Onfiguration	=	actions (alerts, scheduled reports):				
- 🕕 Database		Asset Security				
- 📍 License Keys		Enable Advanced Asset Security:	V			
- MTP Server		Location Behavior				
Import Configuration		Update Assets to Unknown Location*:	Asset is offline or no matching Ic 💙	<ul> <li></li> </ul>		
- Export Configuration						
- 📥 Tag Groups - 📰 Sensor Definitions		Job Schedule Job Start Offset From Midnight (Hours):	•	×		
- Jan Zone Managers		Job Start Onset From Midnight (Hours):	0	×		
Zone Manager Status		System				
Readers		Maximum Memory (MB):	2048			
- Reader Firmware		HTTP Port:	6580			
- 🛺 Reader Status		HTTPS Port:	6581			
- 🎲 GPS		HTTPS POIL:	1800	×		
🔍 Serial Devices						
Server						
Integration	+					
Locations / Rules / Maps	+				ß	
Data Schema	+					
User Access	+					
Reports / Graphs	+					
Events	+					
Alert Management	•	Save Changes				
Current User: spolhemus 💧	The read	ler Greg Reader is offline.			🛕 23 Open Alerts	Logout   Link   About   Help   User Console

Here is the required restart dialog box:

System	Restart X
⚠	For security configuration changes to take effect, a server restart is required.
	Save & Restart Cancel

2. Enable Location Restrictions

### Go to Admin Console > Locations / Rules / Maps > Locations & Rules

Then click the **Collapse All** button in the middle box to ensure you are at the top (root) location.

Boshboard   Integration   Integration <th>🚳 Asset Manager A</th> <th>dmi</th> <th>inistration: Locations &amp;</th> <th>Rules</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>RFCODE</th>	🚳 Asset Manager A	dmi	inistration: Locations &	Rules						RFCODE
Name*:   Description:   Description:   Description:   Description:   Description:   Parent:   Reports / Graphs	Bookmarks 🗸 🥹 🖌	1	😌 New Location 😲 New Rule 🤤 De	elete						
Weer Access	Dashboard     Configuration     Integration     Locations / Rules / Maps     Locations & Rules     Map Configuration     Map Views	+ + +	Filter ×	Name and Description	Category	Field Order *	Required	Static	Default Value	
Events     Alert Management     Save Changes	User Access Reports / Graphs	+ + +		Inherited Attributes	Delete					

Select the top Universe location. In the **Edit Location** box (the right box), under **Name and Description**, click the **Restrictable:** checkbox, and then click the **Save Changes** button.

Sset Manager Adr	ninistration: Locations &	Rules							RF <b>CODE</b>
Bookmarks 💌 🥹 🔏	🥹 New Location 🕴 New Rule 🤤 D	elete							
Dashboard         Integration         Integration         Locations / Rules / Maps         Locations & Rules         Map Configuration         Map Configuration         Map Views         Location to Asset Association	Filter	Name and Descrip Name*: Description: ID: Restrictable: Parent: IR Bounded Location: Attributes Name	Universe Location In \$tLocation	ee Category	Field Order 🔺	Required	Static	Default Value	
🚯 Data Schema 🔹									
🐫 User Access 🔹									
Reports / Graphs		Add	/ Edit	😑 Delete					
Events 🔹			- Lunc	-					
📕 Alert Management 💽		Save Changes							
Current User: spolhemus 🛕 The rea	der Jim's RMA TEST is offline.					🛕 22 Op	en Alerts	Logout   Link   Abo	out   Help   User Console

Now that those two settings are set, there are three places to go to setup the new user with a role

for a specific location: Users, Groups, and Access Control.

3. Users Setup

This allows administrators to create users and assign a role to that user. The user is granted varying permissions within the Asset Manager system based on the type of user role they are given. The following table shows the features available to the different user levels that an administrator can assign.

Task	Manager	Editor	Reporter with Alerts & Events	Reporter	Viewer
Dashboards - View	Yes	Yes	Yes	Yes	Yes
Dashboards - Create	Yes	Yes	No	No	No
Dashboards - Edit	Yes	Yes	No	No	No
Dashboards - Copy	Yes	Yes	No	No	No
Dashboards - Delete	Yes	Yes	No	No	No
Tag Management - Manage Tags	Yes	No	No	No	No
Assets - Access Manage Assets View	Yes	Yes	Yes	Yes	Yes
Assets - Access Manage Assets by Location View	Yes	Yes	Yes	Yes	Yes
Assets - Access Manage Assets by Type View	Yes	Yes	Yes	Yes	Yes
Assets - Add/Edit Assets	Yes	Yes	No	No	No
Assets - View Asset Details	Yes	Yes	Yes	Yes	Yes
Assets - Retire/Unretired Assets	Yes	No	No	No	No
Assets - Delete Assets	Yes	No	No	No	No
Assets - Export Asset Data	Yes	Yes	Yes	Yes	Yes
Assets - Pause Updates	Yes	Yes	Yes	Yes	Yes
Assets - Change Views	Yes	Yes	Yes	Yes	Yes
Assets - Import Asset Data	Yes	Yes	No	No	No
Maps - View Map Details	Yes	Yes	Yes	Yes	Yes

Task	Manager	Editor	Reporter with Alerts & Events	Reporter	Viewer
Reports/Graphs - Custom and Simple ETL Reports	Yes	Yes	Yes	Yes	No
Reports/Graphs - Add/Edit Report/Graph Definition	Yes	Yes	Yes	Yes	No
Reports/Graphs - Run a Report or Graph	Yes	Yes	Yes	Yes	No
Reports/Graphs - View and Export Reports and Graphs	Yes	Yes	Yes	Yes	Yes
Report/Graph Actions - Create, Copy and Test	Yes	Yes	Yes	Yes	No
Report/Graph Actions - Delete	Yes	Yes	Yes	Yes	No
Report/Graph BIRT Templates - Create	Yes	Yes	Yes	Yes	No
Report/Graph BIRT Templates - Delete	Yes	Yes	No	No	No
Events Actions - Create, Copy and Test	Yes	No	No	No	No
Events Actions - Delete	Yes	No	No	No	No
Events Triggers - Create and Copy	Yes	No	No	No	No
Event Triggers - Delete	Yes	No	No	No	No
Alerts - View Alerts	Yes	Yes	Yes	No	No
Alerts - Delete Alerts	Yes	Yes	Yes	No	No
Alerts - Pause Updates	Yes	Yes	Yes	No	No
Alerts - Acknowledge Alerts	Yes	Yes	Yes	No	No

Task	Manager	Editor	Reporter with Alerts & Events	Reporter	Viewer
Alerts - Manage Alert Actions	Yes	No	No	No	No
Alerts - Manage Thresholds	Yes	No	No	No	No
Status Bar - Logout	Yes	Yes	Yes	Yes	Yes
Status Bar - Link	Yes	Yes	Yes	Yes	Yes
Status Bar - About/Help	Yes	Yes	Yes	Yes	Yes
Status Bar - Switch Console Link	Yes	No	No	No	No
Status Bar - Display Open Alerts Information	Yes	Yes	Yes	No	No

Click the New button, and below you will see this User Information form in the right box:

🍇 Asset Manage	r Adn	ninistration: Users		RFCODE
Bookmarks 🗸 🥹		😳 New 🤤 Delete 😡 Test	t 🭳 View	
Dashboard	٠	Filter	- User Information	
Configuration	-	abarker 🔺		
(S) Integration		- 🕹 admin	Name*:	
-		🕹 aljohn 🕹 Andrew	Remote User:	
Locations / Rules / Maps	٠	- 2 anyuser	Password:	
🐴 Data Schema	٠	- 🕹 apiuser	Confirm Password:	
🥵 User Access		- 👗 apple	Full Name*:	
- 🔏 Users		– 🕹 aprilb – 🛃 ayarbrough	Email Address(es):	
- 🍓 Groups		2 braymond	Expiration Date:	[3]
🍪 Asset Links 🍢 LDAP Server		- 🕹 cbrady	Roles*:	
User Audit Trail		- 🕹 cme		
		- 🕹 cormant - 🕹 criseling	Region Settings	Browser/OS Locale
		- 👗 datafoundry		
		- 🕹 demo	Time Zone:	Browser/OS Locale X Y
		- 🕹 dgould	Asset Links	
		🕹 dlupa _ 🍰 dparvey	Asset Links:	
		- 🕹 ebay		
		- 🕹 ecremers		
		- 🍒 ev	User Groups	
		- 🏅 exence - 👗 fabio	User Group Membership:	
		- 🕹 fd		
		a fharris	Liser Groups For New Assets	© Same As User Group Membership
		- 👗 fkinkead		© Select User Groups For New
		- 🕹 gbryett - 🛃 gprimm		Assets
		- 2 guest		
Reports / Graphs		- 🕹 hca		
	•	- 🕹 jdoe		
Events	۲	- A timtest	•	· · · · · · · · · · · · · · · · · · ·
Alert Management	٠	1 tkave	🛱 Save Changes	
Current User: spolhemus	The rea	der Jim's DF TEST is offline.		A 21 Open Alerts Logout   Link   About   User Console

Fill in the required information and any additional information and click the Save Changes button.

- Enabled: You must check the "enabled" box to make this user active within the system.
- Name: Enter a user name for the user you are creating (If you are creating and LDAP user, then the name of the user must match the username in the LDAP server. Since the LDAP server performs the authentication, no password is required).
- LDAP User: Check this box if the user you are creating is a user in your LDAP system. In order for this feature to work, you must first configure Asset Manager to work with your LDAP server. Please see the LDAP Configuration sub-task section of this document for information on how to do this.
- Full Name: You may enter a full name to associate with the user that you are creating.
- Email Address(es): You may enter an email address(es) to associate with this user.
- Expiration Date: In this field you can choose to allow this user account to remain active until a certain date. If you leave this field blank, this user will never expire. In order to remove a user that you have setup without specifying an expiration date, you will have to manually delete the user from your system.
- Roles: This is the field where you assign a user one of the user roles (Editor, Manager, Reporter, Reporter Alerts & Events, Viewer, or Administrator). The Asset Manager designates six types of roles: Asset Administrator, Asset Manager, Asset Editor, Asset Reporter with Events & Alerts, Asset Reporter and Asset Viewer. The six roles have different levels of access to features of Asset Manager. A description of the roles and their accessible features are outlined below:
- Asset Administrator: Users with Administrator Role have access to all functions in the Administrator and User Consoles.
- Asset Viewer: Viewers have the ability to view asset information, run reports, export data and execute searches.
- Asset Reporter: Reporters have all of the abilities of Viewers and also have the to ability create, edit, run and delete reports and graphs.
- Asset Reporter with Events & Alerts: Asset Reporters with Events & Alerts have all of the abilities of Reporters and also have the to ability to view and acknowledge alerts.
- Asset Editor: Editors have all of the abilities of Reporters and also have the ability to add and edit assets, create and edit dashboards and associate assets to tags.
- Asset Manager: Managers have all of the abilities of Editors and also have the ability to edit the asset data.
- Unit Display: Choose your preference of units of display for each user in this field. The choices are English, Metric or Browser/OS Locale
- User Group Membership: Clicking the ... button will produce a selection box. This box will allow you to select the groups to assign the current user to. Assigning this user to a specific group (s) will give them the access privileges that are defined for that group(s). The access privileges for a particular group are assigned in the Groups sub-task and are only enforced if Security is turned on using the System sub-task.
- User Groups for New Assets: Specify the User Groups that will have access to a new asset when it is created in the User Console. This is done by clicking the ... button to produce a selection box and selecting the groups from the list. Click **OK** when finished.

For our Example, we will choose the Asset Manager role.

4. Groups Setup

Now create a Group to put that User into.

This allows the segmentation of the user data space allowing users to only view the appropriate information for which they are allowed. This in essence gives the Administrator the ability to provide varying degrees of "access control" to different groups of users. The controllable sections of the Asset Manager software include:

- Alert Actions
- Alert Thresholds
- Asset Builder Jobs
- Assets
- BIRT Templates
- Custom Types
- Event Actions
- Maps
- Map Views
- Reader Serial Devices
- Reports
- Report & Graph Actions
- Report & Graph Output
- Templates
- Event Triggers
- Graphs
- Locations
- Tag Groups
- Views
- Unassigned Tags
- User Dashboards

To define and assign User Groups for Users, follow these steps:

- 1. To create a new Group, click the **New** button.
- 2. Enter a name for the new Group that you are creating. (Note that the "Everyone" Group is the default Group in the list tree on the left. The everyone group encompasses all Users that have been established in the system. The purpose of the "Everyone" group is to provide a single common Group available to all Users.)
- 3. Fill in the rest of the required information and click the Save Changes button.
  - **Description:** Enter a description of the Group.
  - Asset And User Console Object Access: Determines if the Group has visibility to all assets. If the checkbox is selected, the User can see all assets regardless of Group membership. If the box



is *not* checked, the User can only access assets that have the Group name associated with the assets.

- Everyone Group Access: Specifies whether or not the User can create assets that everyone can access.
- **Restricted Locations And Custom Types Access:** Determines if the Users can see all Locations and Custom Types or only selected Locations and Custom Types.
- **Restricted Attributes Access:** Determines if the User can see all attributes of an asset or not. If the User is not granted access to all attributes, then the User can see all non-restricted attributes and only the restricted attributes that are granted to this User. All other restricted attributes are hidden.
- 4. The new Group will now appear in the left hand column and any User assigned to this Group will be allowed access to all things that the Group has access to in addition to the access that the User is granted through any other Group memberships.

**NOTE:** If a User is granted access to something through one Group membership and denied access to that same thing through another Group membership then access to it will be allowed.

🍇 Asset Manager Adr	ministration: Groups			RF <b>CODE</b>
Bookmarks 🗸 🔮 🔏	😌 New 🔓 Copy 🤤 Delete			
	Everyone     Guest Users     JimGroupTEST     LDAPUsers     Monroe DC Ops	Basic Information Name*: Description: Asset And User Console Object Access Unrestricted Access To Assets And User Console Objects: Everyone Group Access Can Assign Assets To The Everyone Group: Asset Links Asset Links:		
Reports / Graphs		Locations And Custom Types     Allowed Location And Custom Types:     Attributes     Allowed Restrictable Attributes:	All Location And Custom Types     Allowed Location And Custom     Types     All Restrictable Attributes	
Alert Management           •           Current User: spolhemus           ▲ The real	der Jim's RMA TEST is offline.	Save Changes	A 22 Open Alerts	Logout   Link   About   Help   User Console

The empty **Groups** form is in the below screenshot:

Below is a screenshot of an Example **Group** named "Jim's Cube Only", and notice for the **Restricted Locations And Custom Types Access**, the Example location "RFC Jim's Cube" was selected.

🍇 Asset Mana	iger Adn	ninistration: Groups			RF <b>CODE</b>
Bookmarks 💌	۲	🔮 New 🔓 Copy 🤤 Delete			
<ul> <li>Dashboard</li> <li>Configuration</li> <li>Integration</li> <li>Locations / Rules / Map</li> <li>Data Schema</li> <li>User Access</li> <li>User Access</li> <li>Groups</li> <li>Asset Links</li> <li>LDAP Server</li> <li>User Audit Trail</li> </ul>	+	Filter X Austin Data Center Managers Everyone Cuest Users Jim's Cube Only Jim's Cube Only Jim's Cube Only LDAPUsers Monroe DC Ops	Basic Information Name*: Description: Asset And User Console Object Access Unrestricted Access To Assets And User Console Objects: Everyone Group Access Can Assign Assets To The Everyone Group: Asset Links Asset Links Locations And Custom Types	Jim's Cube Only	
e Reports / Graphs Events Events Alert Management	*		Allowed Location And Custom Types: Allowed Restrictable Attributes: Save Changes	All Location And Custom Types     All Allowed Location And Custom     Types     RFC Jim's Cube     ***     All Restrictable Attributes	
Current User: spolhemus	A The read	ler Jim's RMA TEST is offline.		🛕 22 Open Alert	ts Logout   Link   About   Help   User Console

5. Associate User with The New Group

Now, go back to the User you created to add it to the new Group you created. For our example, we went back to the "Test User 1" User and under User Groups in the User Group Membership field we added the "Jim's Cube Only" Group that we just created, as in the below screenshot:

🍇 Asset Mana	ager Ad	ministration: Users				RF <b>CODE</b>
Bookmarks 💌	0 7	📀 New 🤤 Delete 😡 Test	View			
Dashboard         Integration         Integration	25 E	<ul> <li>marvinp</li> <li>marvinp</li> <li>miblackledge</li> <li>mmedford</li> <li>mstich</li> <li>mwoth</li> <li>opsystems</li> <li>pmccnaughy</li> <li>rfcode</li> </ul>	Expiration Date: Roles*: Region Settings Units Display: Time Zone: Asset Links Asset Links:	Asset Manager		· · · · · · · · · · · · · · · · · · ·
<ul> <li>Asset Links</li> <li>LDAP Server</li> <li>User Audit Trail</li> <li>Reports / Graphs</li> <li>Events</li> </ul>	•	• user112		Jim's Cube Only          Image: Same As User Group Membership          Select User Groups For New Assets		
📕 Alert Management	H	🗉 💊 wfunk 💌	Save Changes			
Current User: spolhemus	🛕 The re	ader Jim's RMA TEST is offline.			🛕 22 Open Alerts	Logout   Link   About   Help   User Console

### 6. Access Control Setup

To further restrict visibility of assets and sensors, you can go to the Access Control feature to limit what assets/sensors are seen by Groups.

Access Control allows users who are assigned a Manager or Editor role in the Asset Manager system to change user access to an asset/sensor after it is created. Access Control allows Managers and Editors to assign the appropriate Groups to assets and other "User Console objects" in the system such as reports, graphs, alerts, thresholds, views, maps, etc.

**NOTE:** Access Control does not appear in the task list of Managers and Editors if Security is enabled and if they are assigned membership of only one Group and the Group cannot assign assets to the Everyone Group (the default group where its member can see all assets/sensors).

Information presented in Access Control is reported in real-time, all tag sensor and location data changes automatically as soon as Asset Manager receives any updates from the tags. A user can select the **Pause Updates** button to stop the view from being dynamically updated if a current snapshot of asset state is needed. The **Resume** button will be presented to enable automatic updating again. The dynamic Asset Manager filter allows users to narrow the list of assets/objects by Type, Location, Status, Attribute, Attribute Value, or any combination of these. There are four ways to manipulate assets within the Access Control panel: Edit Groups, Add Groups, Remove Groups, and View functions.

Access Control is located at User Console > Access Control

### \*\*After showing the basic function screens, we will resume with the Example we have been using for this document.\*\*

The Access Control screen will look similar to the screenshot on the next page:

ookmarks 💌 🥹	1	😲 Add Groups 📝 Edit Gro	up 🤤 Remove Gr	oups 🥄 View		🕡 Pause Up
Dashboard	+	Type Locat		Status Attribute	Operator Value	
Tag Management	+	Asset 🕶 All	*	Active 💌	* *	Go
		Name 🔺	Asset Type	Description	Allowed User Groups	
Customization	+	061E33C	Server	HMC CR6		
Assets	+	061E34C	Server	HMC CR6		
,		19th Hole Temp Sensor	Temperature - H			
Access Control	=	1MIKRYZ87	Rack			
🚯 Access Control		Air Sensor 1	Sensor			
		AIR TEST	Differential Pres			
		An Asset for Training	Training Type			
		Andrew's Cube	Temperature - H	Temp/Humidity for Andrew's Cube		
		apartment door	Door	test		
		Asset Tag:	IT Equipment			Ν
		Asset Tag: IRCODE9999999	IT Equipment			45
		Asset Tag: IRCODE999999	IT Equipment			
		Asset Tag: RFCRCK000000	IT Equipment			
		Asset Tag: RFCRCK000000	IT Equipment			
		Asset Tag: RFCRCK000000	IT Equipment			
		Asset Tag: RFCRCK000000	IT Equipment			
Maps	+	Asset Tag: RFCRCK000000	IT Equipment			
Reports / Graphs	+	Asset Tag: RFCRCK000000	IT Equipment			
3		Asset Tag: RFCRCK000000	IT Equipment			
Events	+	Asset Tag: RFCRCK000000	IT Equipment			
Alert Management	+	Page 1 of 2	87 🕨 📔 🗟	1		1 - 25 of 7157 Rows: 25

### Edit Groups

To Edit the Groups that have access to an asset and the asset's information and status, click the Edit Groups button. You will be prompted with the Group Membership box. Select the Groups to grant access to Asset information and click the Right Arrow and Left Arrow buttons to move Groups from the Available side to the Selected side or vice versa. Click **OK** when finished:

ookmarks 💌 🔮	1	🚷 Add Groups 📝 Edit Gro	up 🤤 Remove Groups 🔍 View				🕡 Pause Upd
Dashboard	+	Type Loca Asset 🗸 All		bute	Operator Value	6	Go
a Tag Management	+	Name	Asset Type Description		Allowed User Groups		
Customization	•	BeausTesting	Asset				
Assets	-	Just another Asset	Group Membership		×		
*		atest	Available		Selected		
Access Control		test asset2	Filter		Filter		
🎨 Access Control		test asset3	Austin Data Center Managers		Jim's Cube Only		
		Just an Asset	Everyone				
		justatest	Guest Users	<b>→</b>			
		testing3	JimGroupTEST	7			
		testing2	LDAPUsers	+			
		TEST BADGE TAG - JIM	Monroe DC Ops				
		Asset Tag: RFCRCK00000					
		Asset Tag: TMPRCK99999					
		Asset Tag: RFCRCK00046					
		Asset Tag: RFCRCK00000			V OK 🗶 Cancel		
		Asset Tag: RFCRCK00000					
Maps	-	Asset Tag: RFCRCK00000 Asset Tag: RFCRCK00000					
-		Asset Tag: RFCRCK00000					
Reports / Graphs	+	Asset Tag: RFCRCK00000					
Events		Asset Tag: RFCRCK00000					
Alert Management	-	Page 1 of 2					1 - 25 of 7135 Rows: 25

### Add Groups

To Add Groups that have access to an asset and the asset's information and status, click the

Add Groups button. You will be prompted with the Groups to Add Selection box. Select the Groups to add access to Asset information and click the Right Arrow button to move the selected Group from the Available side to the Selected side. Click **OK** when finished.

<table-of-contents> Asset Manager:</table-of-contents>	Acc	ess Control			Search	RECOD
Bookmarks 🗸 🌚	2	🚯 Add Groups 📝 Edit Gro	up 🥃 Remove Groups 🥄 View			🕡 Pause Updat
🕎 Dashboard	+	Type Locat	ion Status Attribute	Operator Value		Go
📥 Tag Management	+					GO
Customization	<b>(</b>	Name  061E33C		Allowed User Groups		
·			Server HMC CR6 Select Groups to Add	×		
🏀 Assets	•	19th Hole Temp Sensor				
Access Control		19th Hole Temp Sensor 1MIKRYZ87		ected		
Access Control		Air Sensor 1	Filter Filte	er 🛛 🗙		
		AIR TEST	Austin Data Center Managers			
		An Asset for Training	Beau Testing Group 1			
		Andrew's Cube	Beau Testing Group 2			
		apartment door	Everyone +			
		Asset Tag:	Guest Users			
		Asset Tag: IRCODE9999999	Jim's Cube Only			
		Asset Tag: IRCODE9999999	JimGroupTEST		N	
		Asset Tag: RFCRCK000000	LDAPUsers		2	
		Asset Tag: RFCRCK000000				
		Asset Tag: RFCRCK000000		V OK 🗶 Cancel		
		Asset Tag: RFCRCK000000	IT Equipment			
🚮 Maps	+	Asset Tag: RFCRCK000000	IT Equipment			
Reports / Graphs	+	Asset Tag: RFCRCK000000	IT Equipment			
		Asset Tag: RFCRCK000000	IT Equipment			
Events	•	Asset Tag: RFCRCK000000				
Alert Management	+	Page 1 of 2	87 🕨 🕨 🧟			1 - 25 of 7157 Rows: 25
ofile: spolhemus A The doo	* 2660	ciated with Jollyville Patio	Door has been opened	A	7270 Open Alerts	out   Link   About   Help   Admin Cons

### Remove Groups

To Remove Groups that have access to an asset and the asset's information and status, click the Remove Groups button. You will be prompted with the Group Membership box. Select the Groups to remove access to Asset information and click the **Left Arrow** button to move the Group from the Selected to the Available side. Click **OK** when finished.

ookmarks 💌 🔮	X	🚯 Add Groups 📝 Edit Gro	oup 🥥 Remove Groups 🍳 View				🕡 Pause Upda
Dashboard	+	Type Loca Asset 🖌 All		ibute	Operator Value	0	Go
Customization	+	BeausTesting	Asset				
Assets	+	Just another Asset	Select Groups to Remove		×		
Access Control	-	atest test asset2	Available Filter		Selected Filter		
Access Control		test asset3 Just an Asset	Austin Data Center Managers				
		justatest	Everyone Guest Users	<b>→</b>			
		testing3 testing2	Jim's Cube Only JimGroupTEST	*			
		TEST BADGE TAG - JIM	LDAPUsers				
		Asset Tag: RFCRCK00000 Asset Tag: TMPRCK999999	Monroe DC Ops				
		Asset Tag: RFCRCK00046					
		Asset Tag: RFCRCK00000 Asset Tag: RFCRCK00000			V OK X Cancel		
		Asset Tag: RFCRCK00000	IT Equipment				
Maps	+	Asset Tag: RFCRCK00000	IT Equipment				
Reports / Graphs	+	Asset Tag: RFCRCK00000					
Events	+	Asset Tag: RFCRCK00000 Asset Tag: RFCRCK00000					
Alert Management	(H)	Page 1 of 2					L - 25 of 7135 Rows: 25

### View Asset Information

To View Asset information, select an asset from the filter list and click the **View** button. The Asset Information Box will appear.

🔣 Asset Manager	: Mai	nage Assets					Search	RFCODE
				RFC IT Closet - Server Rack F	Front Door Outside Sensor 1			
Bookmarks 🗸 🔮	1	😌 New 📝	Edit 🥄	Temperature - Humidity	Other Attributes			Pause Updates PDU Outlet View
Dashboard	•	Туре	Location	Basic Information		-		
A Tag Management	(H)	Temperature - H	All	Average Humidity:				Go
		Name		Name:	RFC IT Closet - Server Rack Front Door Outside Sensor 1		ctive Power Outlet Amperage	Outlet Apparent Po Outlet Configuratio Outlet I
Customization	+	Rack 5 - RFC Data	Center - Front [	Massimum Humaidikus	Door Outside Sensor 1			*
Assets		RFC IT Closet - Un		Maximum Humidity:				
Manage Assets		Rack 1 - RFC Data						
Manage Assets By Location		Rack 5 - RFC Data						
Anage Assets By Type		RFC IT Closet - Ser		Humidity Corrected:				
- 🏭 Search Assets		RFC IT Closet - Un						
Import Assets		RFC IT Closet - Un			0			
🧉 Asset Builder Jobs		Rack 5 - RFC Data						
		RFC IT Closet - Un		riceet rug.	HUMRCK00000429			
		RFC IT Closet - Un		beenpaern				
		Rack 1 - RFC Data		ASSOC LOCATION.	IT Closet Rack			
		RFC IT Closet - Un		Location Fload.	Locked			
		RFC IT Closet - Un		LOCKED LOCATION:	IT Closet Rack			
		Rack 1 - RFC Data		Expected Location(s):				
Access Control	+	RFC IT Closet - Un		- Additional Sensor Informatio	n			
Maps	+	Rack 1 - RFC Data		Tomporature Soncor Applic				
Maps		Rack 3 - RFC Data		Airflow Position	Rack Intake Temperature			
Reports / Graphs	+	Rack 1 - RFC Data Rack 1 - RFC Data			Тор			
Events	+	Rack 1 - RFC Data	Center - Rear D		· - F	-		*
Lert Management	+	Page	1 of 5		🖌 c	lose		1 - 25 of 122 Rows: 25 🗸
Profile: spolhemus	ittery h	as been detected	for the tag as	sociated with asset RFC IT	Closet - Unattached Rack Doors Sensor 4.		A 7257 Open Alerts	Logout   Link   About   Help   Admin Console



### Continuing The Example Setup

Continuing the Example for using the Group, "Jim's Cube Only", we have the choice to restrict the Users in that Group "Jim's Cube Only" from being able to view assets/sensors for the Location ("Jim's Cube"). Remember that we defined the **Location** of "Jim's Cube" in the **Group** settings of the Group "Jim's Cube Only".

So here we selected individual assets/sensors to add this Group "Jim's Cube Only"

You can see the additions here:

<table-of-contents> Asset Manager: A</table-of-contents>	ccess Control		Search RFCOD	)E
Bookmarks 💌 🥹 📝	🚯 Add Groups 📝 Edit Gro	ip 🥃 Remove Groups 🍳 View	🕡 Pause Upd	date
🕎 Dashboard 🤇	Type Loca		Value	
📥 Tag Management	Asset ~ All	Active Ac	✓ Go	
Customization		Asset	cd	
•		Asset		
Assets	atest	Asset		7
Access Control	test asset2	Asset		
🚯 Access Control	test asset3	Asset		
	Just an Asset	Asset Jim's Cube Only		
	justatest	Asset		
	testing3	Asset		
	testing2	Asset		
	TEST BADGE TAG - JIM	Asset		
	Asset Tag: RFCRCK00000	IT Equipment		
	Asset Tag: TMPRCK99999	IT Equipment		
	Asset Tag: RFCRCK00046	IT Equipment		
	Asset Tag: RFCRCK00000	IT Equipment		
	Asset Tag: RFCRCK00000	IT Equipment		
-	Asset Tag: RFCRCK00000			
🚮 Maps	Asset rag. In citercoood			
Reports / Graphs				
Events	Asset Tag: RFCRCK00000			
	Asset Tag: RFCRCR00000			_
lert Management	Page 1 of 2	36 🕨 📔 🤕	1 - 25 of 7135 Rows: 25	

As a result for this Example, the below screenshot is what the User "Test User 1" will see when he goes to look at assets in the User Console (User Console > Assets > Manage Assets By Location):

🚮 Asset Manager:	Ma	nage Ass	ets By L	ocation					Searc	:h	RFCO	DDE
Bookmarks 💌 🥹	2	New	🖌 Edit	<ul> <li>View</li> </ul>	😌 Retire 🧯	🕽 Unretire 🤤 Dele	ete 🚯 Export			🕡 Pause Upo	dates Default View	
Dashboard	+	Filter		×	Туре	Status	Attribute	Operator	Value			
Tag Management	+	E			Asset	✓ Active	*	~	*		0	Go
		🕒 🕥 Univer	ie		Low Battery	Name		Asset Type	Asset Tag	Asset Location	Expect	ted Locati
Customization	+					BeausTesting		Asset				
Assets						Just an Asset		Asset				
🚜 Jim's Cube	_					TEST BADGE TA		Asset				
🚳 Manage Assets					No	RMA# 2074 Tag	12	Other Equipment	IRCODE00102126	RFC Jim's Cube	RFC Ji	m's Cube
🍪 Manage Assets By Location												
🍓 Manage Assets By Type												
🚳 Search Assets												
🚯 Import Assets												
🧯 Asset Builder Jobs												
<b>.</b>												
🐒 Maps	+											
Reports / Graphs	•											
	(H)											
Events					•							
Alert Management	•				Page	1 of 1	2				1 - 4 of 4 Rows:	25
ofile: TestUser1											Logout   Link   A	

\*\*Even though the UNIVERSE (for all locations) filter is selected in the middle box, User "Test User 1" can only see (and edit, etc.) the assets/sensors that we decided to let him see. We know that other assets/sensors exist at other Locations, but this is all that he can see (and nothing else). This is the functionality that the Access Control feature gives to administrators.\*\*

Important: \*\*PLEASE NOTE: Using this feature also means you would have to manually update these settings on ALL new assets/sensors that come into this location, as there is not a setup to automatically update new assets/sensors to inherit this configuration.\*\*

----There are a couple more settings to consider as a consequence of the advanced Security

setup:

7. All Users Must Be In Groups When Security Is Enabled

When the Security feature is Enabled (in Step 1), all users must be part of a created Group (not just the "Everyone" group), or they will not be allowed to login to Asset Manager. (Instead they will receive a login error message that their "account is locked.")

If you have users that have not been previously part of any created group, they now *must* become part of a group.

Anyone that is not in a group previously can be moved to a "copy of Everyone" group instead of the "Everyone" group. All you need to do here is to make a copy of the "Everyone" group when you are on the Groups screen using the **Copy** button as in the screenshot below:

🔏 Asset Mana	iger Adr	ninistration: Grou	ips			RF <b>CODE</b>
Bookmarks 💌	۲ ی	📀 New 🔓 Copy	Delete			
<ul> <li>Dashboard</li> <li>Configuration</li> <li>Integration</li> <li>Locations / Rules / Map</li> <li>Data Schema</li> <li>User Access</li> <li>Users</li> <li>Groups</li> <li>Asset Links</li> <li>LDAP Server</li> </ul>	* * *	Copy of Everyone           Everyone           Cuest Users           Simi's Cube Only           JimGroupTEST	x anagers	Basic Information Name*: Description:      Asset And User Console Object Access Unrestricted Access To Assets And User Console Objects:      Everyone Group Access Can Assign Assets To The Everyone Group:      Asset Links Asset Links:	Copy of Everyone	
Cer Audit Trail Cer Management	* *			Locations And Custom Types     Allowed Location And Custom Types:     Attributes     Allowed Restrictable Attributes:     Save Changes	All Location And Custom Types     Allowed Location And Custom Types     All Restrictable Attributes	
Current User: spolhemus	🛕 The rea	der Jim's RMA TEST is off	ine.		🛕 22 Open Alerts	Logout   Link   About   Help   User Console

Then, you can put Users in this new "copy of Everyone" group like in this screenshot below where it was done for the Example User "user113":

🍇 Asset Manag	jer Adn	ninistration: Users				RF <b>CODE</b>
Bookmarks 💌 🕻	2	😲 New 🤤 Delete 😡 Test	🔍 View			
Dashboard	+	Filter				
Configuration	+	👗 mblackledge 🔺	Expiration Date:			
(S) Integration	+	- 🎍 mmedford	Roles*:	System Administrator		
	+	- 🕹 mstich - 👗 mvoth	Region Settings			
Locations / Rules / Maps		- La opsystems	Units Display:	Browser/OS Locale		
둵 Data Schema	+	- 👗 pmcconaughy	Time Zone:	Browser/OS Locale × •		
🥙 User Access	-	- 👗 ray	- Asset Links			
🕹 Users		- 🕹 rfcode - 👗 share	Asset Links			
Groups		- La shutterfly				
- 🍓 Asset Links - 順 LDAP Server		- 🕹 smullins				
User Audit Trail		- 🕹 spolhemus	User Groups			
		- La sunday	User Group Membership:	Copy of Everyone		
		- 🕹 tcoffaro - 🤰 tcsolutions				
		Lester				
		- Z TestUser1	User Groups For New Assets:	Same As User Group Membership		
		- 👗 tlarson		Select User Groups For New		
		- 🕹 tmitchell		Assets		
0		– 👗 tssl				
Reports / Graphs	+	- 🕹 user113				
Events	+	- La viewer	4			· ·
📕 Alert Management	÷	- 🏅 wfunk - 👗 wgauer 💌	Save Changes			
Current User: spolhemus	🛕 The read	der Jim's RMA TEST is offline.		<u>A</u>	22 Open Alerts	Logout   Link   About   Help   User Console

8. Access Control Modifications For The "copy of Everyone" Group

For those users that you added to the "copy of Everyone" group to be able to see all the assets that they had previously, you will need to go back over to the Access Control feature (Location: User Console > Access Control) and highlight all your assets and using the Add Groups button add the "Everyone" group (or add the "copy of Everyone" group—though you can add both if you want also):

kookmarks 💌 😌	Z	😌 Add Groups 📝 Edit Gro	up 🤤 Remove Gr	oups 🥄 View				🕡 Pause Upd
Dashboard	+	Type Loca	tion	Status	Attribute Operator Value			
Tag Management	(F)	Asset 💙 All	*	Active 🗸	× ×		3	Go
		Name 🔺	Asset Type	Description	Allowed Liser Groups			
Customization	•	061E33C	Server	HMC CR6	Select Groups to Add		×	
Assets	+	061E34C	Server	HMC CR6	Available		Selected	
		19th Hole Temp Sensor	Temperature		Filter		Filter	
Access Control		1MIKRYZ87	Rack		Austin Data Center Managers		Copy of Everyone	
🚯 Access Control		Air Sensor 1	Sensor		Everyone			
		AIR TEST	Differential Pres		Guest Users	<b>→</b>		
		An Asset for Training	Training Type		Jim's Cube Only			
		Andrew's Cube	Temperature	Temp/Humidity for A	JimGroupTEST	+		
		Asset Tag:	IT Equipment		LDAPUsers			
		Asset Tag: IRCODE99999	IT Equipment		Monroe DC Ops			
		Asset Tag: IRCODE99999	IT Equipment					
		Asset Tag: RFCRCK00000	IT Equipment					
		Asset Tag: RFCRCK00000	IT Equipment				V OK 🗶 Cancel	
		Asset Tag: RFCRCK00000	IT Equipment					
		Asset Tag: RFCRCK00000	IT Equipment					
		Asset Tag: RFCRCK00000	IT Equipment					
🖠 Maps	+	Asset Tag: RFCRCK00000	IT Equipment					
Reports / Graphs	+	Asset Tag: RFCRCK00000	IT Equipment					
		Asset Tag: RFCRCK00000	IT Equipment					
Events	+	Asset Tag: RFCRCK00000	IT Equipment					
Alert Management	+	Page 1 of 2	86				1 - 2	5 of 7135 Rows: 25