**Groups**

This article was updated to support v12.0 of Goliath Performance Monitor.

Goliath Performance Monitor (GPM) provides the ability to group machines and monitoring conditions within the product, all of which and be configured via the **Configure - Groups** page. There are 3 different types of groups:

* **Primary** Groups - this type of grouping allows one to organize the server/devices into meaningful collections that make it easier to manage your environment.
  + For example, when creating reports or monitoring rules, you will see the groups referenced as folders. These folders are the primary groups. There are also a number of displays that can be filtered by group.
  + One machine/device, can only be assigned to one primary group at a time. In addition, all machines/devices must always be assigned to a primary group. By default, when non-Citrix VDA machines/devices are discovered into the technology they are added to the **Auto Register Group**.
    - By default, Citrix VDA's are automatically group by their Citrix Delivery Group. This setting can not be overridden at this time.
* **Secondary** Groups - this type of grouping allows one to organize monitoring rules into meaningful collections to make it easier to assign machines to monitoring conditions.
  + For example, if you are monitoring Citrix Virtual Apps and Desktops within Goliath, there will be a secondary group named **Citrix Delivery Controller**. This group contains all of the monitoring rules that are applicable for monitoring only Citrix Delivery Controller machines. Therefore, instead of editing one by one the handful of Citrix Delivery Controller rules on the **Configure - Monitoring** **Rules** to apply the Citrix Delivery Controllers machines, adding them to this group will automatically do that for you.
  + Note - a machine can be assigned to multiple Secondary Groups
* **Secondary-Default** Groups - this type of the group functions the similarly to Secondary Groups. However, the difference is that any new machine that gets added into the technology will automatically be assigned to this group.
  + For example, the technology ships with the group Windows Health. This group contains general conditions that one would want to monitor across the environment regardless of their type. This group contains conditions like resource utilization, application & system event logs, etc. It doesn't matter is the machine is a XenApp Server, Windows VM, Exchange Server, etc these monitoring conditions are applicable for all machine types.
  + Note - a machine can be assigned to multiple Secondary-Default Groups. However, it usually makes sense to only have 1 Group of this type exist.

**Creating a Group**

1. Open the technology and navigate to the **Configure - Groups** page
2. At the top of the page, click the **New** button
3. Enter a unique identifying name for the group and optional description
4. Chose the Group Type
5. In the **Make Any Assignment Changes You Want to this Group** section:
   1. Click the button for **Servers/Devices** if you would like to assign additional machines to this group or remove them.
      1. If you would like to move a machine from one primary group to another please see the next section for full details
   2. Click the button for **Monitoring Rules** if you would like to assign additional monitoring rules to this group or remove them.
6. Upon clicking the appropriate button, a new pane will open with a selection list matching the appropriate option clicked above.
   1. When **Servers/Devices** is clicked, a selection treeorganized by the primary groups will appear. Select the applicable machines in which you’d like to add to this group and click **Apply** when finished
      1. Please note, all new non Citrix VDA machines are automatically added to the **Auto Register Group** upon discovery, make sure to check that group if you are having difficulty finding the machines that you’d like to add.
   2. When **Monitoring Rules** is clicked, a selection list containing all of the current monitoring rulesorganized by the primary groups will appear. Select the applicable rules in which you’d like to add to this group and click **Apply** when finished
7. To review what is configured in the group, use the drop down menus in the **Current Group Assignments** section to view the assigned servers/devices and monitoring rules.
8. Once finished, click **Save** to complete the configuration.

**Changing a Machines Primary Group Assignment**

Please note, the following steps are only applicable for **non Citrix VDA machines**. By default, Citrix VDA's are automatically group by their Citrix Delivery Group. This setting can not be overridden at this time.

1. Open the technology and navigate to the **Configure - Groups** page
2. Find and select the primary group in which you would like to move the machine to, i.e. the destination group, and click the **Edit** button
3. In the **Make Any Assignment Changes You Want to this Group** section, click the button for **Servers/Devices.**
4. Once the selection tree appears, navigate to the folder for the machines current group to find it and select it. Click **Apply** when finished
5. Once finished, click **Save** to complete the configuration.