

Create a Perspectium Action for custom monitoring

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NOTE: The topic described in this section is optional and may require knowledge of scripting with [ServiceNow APIs](#).

In ServiceNow, you can create your own **Perspectium Action** to perform custom monitoring and send in your own events. For example, you may want to monitor the total number of tasks created daily.

You can do this by leveraging the `PerspectiumObserver` script include that comes as part of the Perspectium Core Update Set for ServiceNow. The following functions are available for use in the `PerspectiumObserver` script include:

Function	Arguments
<code>postTuple</code>	<ul style="list-style-type: none">• type• name• value
<code>postDailyTableAggregates</code>	<ul style="list-style-type: none">• tableName• eventName• aggField
<code>postTableAggregates</code>	<ul style="list-style-type: none">• tableName• eventName• aggField• encodedQuery
<code>postSecondsAgoTableAggregates</code>	<ul style="list-style-type: none">• tableName• eventName• aggField• fromDateStr• secondsAgo

Procedure

To create a Perspectium Action for custom monitoring, follow these steps:

1. Log into ServiceNow and navigate to **Observer > Actions**. Then, click **New** to create a new Perspectium Action record.
2. Enter any **Name** for your Perspectium Action. Choose the **Start** and **End** dates for when you want to execute your Perspectium Action. Then, check the **Active** checkbox.
3. Under **Script**, add your desired script to send ServiceNow data to Observer as a metric. The following is an example script for a custom Perspectium Action that will monitor the number of tasks created daily using the `postTuple` function:

```
try {
var psp = new Perspectium();
var o = new PerspectiumObserver();

// Calculate total number of tasks created today
var sc = new GlideRecord('task');
sc.addEncodedQuery('sys_created_onONToday@javascript:gs.daysAgoStart(0)@javascript:gs.daysAgoEnd(0)');
sc.query();
// postTuple() is a function that can be called to create messages with metrics to send to Observer
// it should be passed the parameters "statsx", name of the metric, value of the metric
o.postTuple("statsx", "Tasks Created Today", sc.getRowCount());
} catch (e) {
var logger = new PerspectiumLogger();
logger.logError("error= " + e, "Action.Tasks Created Today");

psp.updateStatus("status", "error: " + e);
}
```

4. Click **Submit** to finish creating your Perspectium Action.

Next Steps

To monitor your newly created Perspectium Action, see [create a custom alert](#).

Similar topics

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