**Investigate High CPU Utilization in Container**

Examine [Windows Perf Counter dashboard](https://cosmicmonitoring-b6a0cza8a4ghfnda.scus.grafana.azure.com/d/f5035b83-bb8d-41ac-808b-65635396a8a1/windows-performance-counter?orgId=1) and [Linux Utilization dashboard](https://cosmicmonitoring-b6a0cza8a4ghfnda.scus.grafana.azure.com/d/rYdddlPWk/linux-utilization?orgId=1) to detect any abnormal resource usage or unhealthy signals on Cosmic servers, pods, and processes. If you find any noteworthy data points, kindly share the perf counter link in the IcM.

Please refer to the [trigger configuration document](https://eng.ms/docs/products/efficiency-pack/monitoring/triggers/configure-triggers) for instructions on creating a new trigger on [EP portal](https://epportal.azurewebsites.net/trigger?teamName=Cosmic) to capture CPU traces with the following adjustments.

* Trigger Scenario: Container -> CPU Usage.
* Instance Name: NamespaceName\ContainerName, such as ic3-asyncmedia-storage\ic3-asyncmedia-storage-facek-container.
* Threshold Value: Depends on the high CPU scenario (unit: percentage of container CPU limit).
* Trigger Action: Profile.
* Activity Windows: 00:00:30, to increase the likelihood of capturing traces.
* Max Daily Collections: 5.

Sometimes, the service experiences extremely short spikes. Similar to many IC3 services, it sees spikes every 30 minutes during business hours, with each spike lasting a minute or less. In this scenario, you can create a **Time Trigger** for a given cluster to capture CPU traces with the following adjustments:

* Trigger Days: Monday to Friday
* Trigger Action: Profile.
* Trigger Time (UTC): Set to the peak CPU time. For example, if the peak is at 16:00:00, set it to 16:00:30. With a 30-second trigger window, the trigger will activate between 16:00:00 and 16:01:00.
* Trigger Window: 00:00:30.
* Maximum Daily Collections: 5.
* Tenant (In Scope Setting tab): Set to the hottest cluster. For example, cosmic-prod-d02-018-nam-southcentralus-\*

This trigger will be deployed automatically within 10 minutes, and you can review the performance data through the dashboard link from the EP portal. Contact [Efficiency Pack Team](mailto:EfficiencyPackTeam@microsoft.com) for any inquiries about creating triggers, and contact [Cosmic Perf](mailto:CosmicPerf@microsoft.com) for any inquiries about performance issues.