

# CPU

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High CPU utilization can cause slow performance. If the server is under high CPU, we need to firstly understand what trigger the high CPU. If it is trigger by customer workload, we normal suggest customer promote to higher SKU. Otherwise, we need to do understand what goes wrong.

To get the CPU percentage of the server, either check ASC performance Tab



Or using Kusto by querying the following table: `MonResourceMetricsProvider` , for example run following query

```
let StartTime = ago(2d);
let EndTime = ago(1d);
let ServerName = "howang57standard-west europe";
MonResourceMetricsProvider
| where originalEventTimestamp > StartTime and originalEventTimestamp < EndTime
| where LogicalServerName == ServerName
| project originalEventTimestamp, cpu_load_percent
| render timechart
```

### How to troubleshoot High CPU utilization:

Usually high CPU utilization is triggered by customer workload, caused by one of the following reasons:

1) customer's application will be running queries against the database that requires CPU cycles. In order to troubleshoot this, you will need to enable Query Store (we will discuss this later)

2) establishing too many connections, connection establishment requires CPU cycles, please review the number of newly created connection per second to figure out if that caused high CPU utilization

Created with Microsoft OneNote 2016.

**How good have you found this content?**

