# 200.2 - Predict Future Resource Needs

**Weight: 2**

Description: Candidates should be able to monitor resource usage to predict future resource needs.

**Key Knowledge Areas:**

- Use monitoring and measurement tools to monitor IT infrastructure usage.
- Predict capacity break point of a configuration
- Observe growth rate of capacity usage
- Graph the trend of capacity usage
- Awareness of monitoring solutions such as Icinga2, Nagios, collectd, MRTG and Cacti

The following is a partial list of the used files, terms and utilities:

- diagnose
- predict growth
- resource exhaustion

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