

200.1 - Measure and Troubleshoot Resource Usage

Weight: 6

Description: Candidates should be able to measure hardware resource and network bandwidth, identify and troubleshoot resource problems.

Key Knowledge Areas:

- Measure CPU usage
- Measure memory usage
- Measure disk I/O
- Measure network I/O
- Measure firewalling and routing throughput
- Map client bandwidth usage
- Match / correlate system symptoms with likely problems
- Estimate throughput and identify bottlenecks in a system including networking

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

- iostat
 - netstat
 - w
 - top
 - sar
 - processes blocked on I/O
 - blocks out
 - vmstat
 - pstree, ps
 - lsof
 - uptime
 - swap
 - blocks in
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