

# Chkservd

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# Introduction

- Hello, My name is Nick Nelson
- This course will be covering chkserv.d, at the end of this course we will have an open floor for any questions.

# Starting and Stopping chkserverd

- chkserverd is a service running on all cPanel® servers which monitors the state of processes.
- chkserver.d can be controlled using the command:
  - /etc/init.d/chkserverd (start|stop|restart)
  - /usr/local/etc/rc.d/chkserverd.sh (start|stop|restart)
- The chkserverd perl script is located at /usr/local/cpanel/libexec/chkserverd

# Adding and Removing Services

- You can add and remove services to be monitored from chkservd by the files in /etc/chkserv.d/
- You must also add the service to the chkservd.conf with the following syntax:  
service:1
- Each service has a individual file inside of /etc/chkserv.d/ with the following syntax:
  - #SERVICE = PORT, SEND, RESPONSE, RESTART COMMAND

# Connection Based Monitoring

- The primary method of checking services to determine if they are on or offline is connection based monitoring.
- By this, cPanel will attempt to connect to a specified port, issue a specified command and expects a defined response, assuming the appropriate response is received within the timeout period (10 seconds), it will consider the process online.

# Process based monitoring

- The second method chkservd uses to determine if a process is online is process based monitoring. This method is used for applications such as named.
- An example of this configuration is:
  - `service[named]`  
`=x,x,x,/scripts/restartsrv_bind,named,named|bind`
- Note the syntax difference, instead of port, send and response you simply have command to restart, process name, and users who should be running said process.

# Logging

- All chkservd logging is done via the /var/log/chkservd.log file. Each time a check is done (every 8 minutes) chkservd will log whether the service was online (+) or offline (-). If it's offline a restart command will be issued. Additionally, the restart command output will be logged to the log-file.
- You will also receive an email based on your contact manager settings notifying you of the downtime, chkservd will attempt to restart it every 8 minutes until it's back online.

# Questions?

Ask Away!