# Summary

Currently, server runtime control options (runtime commands) are implemented with Unix signals. This means that such commands are just one-way messages with a very limited payload. There is no way for a command sender to get the result (e.g. diag info). We must implement a new transport for more verbose communications (e.g. Unix domain sockets) for the runtime commands. The new transport should also enable runtime commands on platforms with limited signal support (e.g. OpenBSD).

# Use cases

1. I want to get the results of runtime commands (such as ha_status, diaginfo) to a console, not server log
2. I want to be able to send more input parameters for runtime commands (e.g. HA node name rather than a number)
3. I want to use runtime commands on BSD-based systems

# Zabbix acceptance

1. Server and proxy runtime commands general improvements
      a. Support reasonably sized input parameters (e.g. 1KB)
      b. Support reasonable sized responses (e.g. 128KB)
            i. Response must be passed to a sender and printed to a log
      c. Support reasonable timeout at the sender's side (e.g. 3s)
      d. Support exit codes at the sender's side
2. Specific command improvements
      a. ha_status
            i. Print ha_status to console
      b. ha_remove_node
            i. Remove by node ID or name, don't allow removal by number (#)
      c. diaginfo
            i. Print diaginfo to console
      d. log_level_increase, log_level_decrease
            i. Print new log level to console (if possible)
3. General considerations
      a. The new transport must not allow unauthorized commands
      b. The new transport should be considered also for zabbix_agentd (Agent 1) (if possible)
      c. The changes must be documented in the manual, man pages and console help (if required)

# Zabbix UI changes

1. N/A

# Decisions made

1. N/A

# Open questions

1. N/A

# Changes log

- 1.1
  - Added a clause about zabbix_agentd