

Monitoring

Tools

Network

- nload - interface traffic graphs
- bwm-ng - interface traffic stats (no graph)
- jnettop - IP flows, TCP and UDP
- tcptrack - TCP only
- btop - also shows network stats
- conntrack - tracked connection by kernel
- netstat or ss - show established local connections and listening ports

List netfilter connection tracking state:

```
conntrack -L
```

Zabbix

Custom parameters

Reload configuration:

```
zabbix_agentd -R userparameter_reload
```

Put config files in `/etc/zabbix/zabbix_agentd.d`.

Example configuration to add additional keys to agent to respond to:

```
UserParameter=ping.rtt.avg[*],ping -c 10 -A -n -q -w 10 "$1" | awk -F/ '/rtt/ { print $$5 }'  
UserParameter=ping.loss.pct[*],ping -c 10 -A -n -q -w 10 "$1" | awk '/packets transmitted/ {  
print 100 - int($$4) * 10 }'
```

Testing:

```
zabbix_get -s 127.0.0.1 -k 'ping.rtt.avg[127.0.0.1]'
```

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