



Azure Support Cheat Sheet

```
# rpm -qa --last
```

Location: rpm.txt

Output last installed RPMs. Useful for checking:

1. How long it has been since the customer patched
2. Recently installed RPMs which may have introduced a compatibility problem or new bug

```
# last -xF | egrep \  
"reboot|shutdown|runlevel|system"
```

Location: boot.txt

Validate reboot times logged in /var/log/wtmp

```
/etc/fstab
```

Location: fs-diskio.txt

Check filesystems and system mount options

```
/proc/cmdline
```

Location: proc.txt and boot.txt

Check configuration parameters passed to kernel by GRUB on system boot

```
/etc/products.d/*
```

Location: updates.txt

Check for SAP (SLES_SAP.prod) or non-SAP (SLES.prod) and any other add-on products. SAP product lifecycle longer with Extended Service Pack Overlap Support (ESPOS)

```
# dmesg
```

Location: boot.txt

Kernel ring buffer (logs). Useful for checking hardware and driver issues.

Stored in RAM so only available for current boot.

```
# uname -a
```

Location: basic-environment.txt

Running kernel (all info). If older than recently installed kernel the customer needs to reboot.

```
# ip addr
```

Location: network.txt

Check working IP address configuration.

```
/etc/sysconfig/network/*
```

Location: network.txt

Check network configuration files

```
# crm configure show
```

Location: ha.txt

Check configuration of Pacemaker cluster.

Handy for checking for architecture, configuration, and cluster mismanagement problems

```
# journalctl --no-pager --boot 0 \  
| head -n 10000
```

Location: boot.txt

First 10,000 lines of systemd journal on current boot

Third-party kernel modules

Location: modules.txt and basic-health-check.txt

Kernel "taint" info in basic-health-check.txt and modinfo output in modules.txt

Platform and registration info

Location: public_cloud/ directory

Data from Azure Instance Metadata Server API, registration logs, and platform-specific software checks.

less pager quick reference

/string - Search forward for string
?string - Search backward for string
n - next match
N - previous match
f - forward one page (window)
b - backward one page (window)
home - Snap to start of document
end - Snap to end of document
v - open in \$EDITOR (vim default)
&!string - Filter logs matching string

Disable line "wrapping"

```
# less -S <filename>
```

Legend:

- * - "globbing" character (match all)
- \ - Newline escape
- / - Indicates filename
- # - Indicates command