RHEL Lightspeed

Version 1.0.0, 2026-06-17

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RHEL Lightspeed [illegible]:

- **[illegible]:** [illegible]
- **[illegible]:** [illegible] RHEL [illegible] RHEL [illegible]

RHEL [illegible], RHEL Lightspeed [illegible] (infrastructure) [illegible]

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RHEL Lightspeed [illegible] Red Hat Enterprise Linux (RHEL) [illegible] AI [illegible]

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RHEL [illegible], [illegible] RHEL Lightspeed [illegible]:

- **[illegible]:** [illegible] "sudo [illegible]"—[illegible] `useradd` [illegible]
- **[illegible] (Contextual Learning):** [illegible] "[illegible]" [illegible]
- **[illegible]:** [illegible] (RHEL [illegible]) [illegible]

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[illegible], RHEL Lightspeed [illegible]:

- **[illegible]:** [illegible] (deployment) [illegible]
- **[illegible]:** [illegible] SELinux [illegible], RHEL Lightspeed [illegible]
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RHEL [illegible] RHEL Lightspeed [illegible]:

- **[illegible]:** [illegible] (arguments), [illegible]

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RHEL Lightspeed [illegible] (troubleshooting) [illegible] RHEL [illegible]

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- [illegible] **(Natural Language Interaction):** [illegible] RHEL [illegible]
- [illegible] **(Troubleshooting and Analysis):** [illegible]
- [illegible] **(Workflow Optimization):** [illegible]

[illegible] AI [illegible]

[illegible]

RHEL Lightspeed [illegible] (LLMs) [illegible]

[illegible]

[illegible]

1. [illegible]**:** [illegible]
2. [illegible]**:** [illegible] Red Hat [illegible]
3. **AI** [illegible]**:** [illegible] LLM [illegible]
4. [illegible]**:** [illegible]

[illegible] (Best Practices)

[illegible] [illegible], [illegible] [illegible], [illegible] [illegible] (operational tasks) [illegible]

- [illegible]: [illegible] (, [illegible], `sshd`, `firewalld`, `dnf`)[illegible]
- [illegible]: [illegible], [illegible] [illegible]
- [illegible]-[illegible] [illegible]: "troubleshoot," "list," "find," [illegible] "configure" [illegible]

[illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] `c` [illegible] [illegible]:

- [illegible]: `$ c "how to troubleshoot sshd failing to start"`
- [illegible]: `$ c "how do I find all the files in the /etc that have been modified in the last hour"`

[illegible]

> [illegible]: [illegible]-[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [

[illegible]

[illegible]-[illegible] [illegible] [illegible] [

> [illegible]

Troubleshooting system issues

RHEL Lightspeed [illegible] (Troubleshooting)

RHEL Lightspeed [illegible] (co-pilot) [illegible] (man pages) [illegible]

[illegible]

[illegible] (context-aware) [illegible] `c` [illegible] AI [illegible]

[illegible]

- **[illegible]:** [illegible]
- **[illegible]:** [illegible] ([illegible], "[illegible] SSH [illegible]")[illegible]
- **[illegible]:** [illegible]

[illegible]

[illegible] RHEL-[illegible]:

- **[illegible] (Service Failures):** [illegible] `sssd` [illegible] `sshd` [illegible] (daemon) [illegible]
- **[illegible]:** [illegible]
- **[illegible]:** [illegible]
- **[illegible]:** [illegible] `/etc` [illegible]

> [illegible]

[illegible]-[illegible]: [illegible]

[illegible], [illegible] RHEL Lightspeed [illegible]

[illegible] (Prerequisites)

- [illegible] RHEL Lightspeed [illegible]

- [illegible] Red Hat [illegible]

[illegible] **1:** [illegible]

[illegible] `sssd` [illegible]

1. [illegible]
2. [illegible]:

   ```
   $ c "I am failing to start sssd process, what should I check first?"
   ```

3. [illegible] (`systemctl status sssd`) [illegible] (`/var/log/sssd/`) [illegible]

[illegible] **2: SELinux** [illegible]

[illegible] "Permission Denied" [illegible] SELinux [illegible]

1. [illegible] SELinux [illegible]:

   ```
   $ c "I am getting permission denied errors, how do I check if SELinux is blocking
   my application?"
   ```

2. [illegible] `ausearch` [illegible] `sealert` [illegible]

[illegible] **3:** [illegible]

[illegible]

1. [illegible]:

   ```
   $ c "how do I find all the files in the /etc that have been modified in the last
   hour"
   ```

2. [illegible] `find` [illegible] `/etc` [illegible]

[illegible] (log entries) [illegible]

[illegible] (troubleshooting) [illegible] RHEL Lightspeed [illegible]

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   ```
   $ journalctl -xeu sshd.service | tail -n 30 | c 'here are the logs, please help me
   understand this'
   ```

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   ```
   $ c 'how do I fix the error identified in these logs?'
   ```

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   ```
   $ cat /var/log/my_application.log | c
   ```

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   ```
   $ cat /var/log/my_application.log | c 'Identify the specific error causing the
   application crash and suggest a troubleshooting step.'
   ```

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1. [illegible] **(Parsing Intent):** [illegible] ([illegible], [illegible] [illegible], [illegible], [illegible] [illegible])[illegible]
2. [illegible] **(Contextual Mapping):** [illegible] Red Hat [illegible] Red Hat Knowledgebase [illegible]
3. [illegible] **(Syntactic Precision):** RHEL [illegible]

[illegible]: [illegible]

[illegible]:

1. [illegible]**:** [illegible]
2. [illegible]**:** [illegible]-[illegible]
3. [illegible] **(Inference):** [illegible] (inference) [illegible] (LLM) [illegible]
4. [illegible]**:** [illegible]

> [illegible]**:** [illegible]

[illegible]: [illegible]

[illegible]:

- [illegible]**:** [illegible] `journalctl` [illegible]: `journalctl -u httpd.service --since "1 hour ago" --priority=err`
- [illegible]**:** [illegible]: **"Show me the error logs for the Apache web server from the last hour."**

[illegible] RHEL [illegible]

[illegible] (Troubleshooting)

[illegible]: **"Explain what this error means and how I should resolve it."**

[illegible]

hands-on-lab.adoc

Hands-on Lab

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   sudo dnf update
   ```

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```
sudo dnf install rhel-lightspeed-assistant
```

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rhel-lightspeed --version
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rhel-lightspeed configure
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```
rhel-lightspeed "How do I check my system uptime?"
```

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[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

RHEL Lightspeed [illegible]-[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]-[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [

2. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]:

```
$ c "how do I find all the files in the /etc directory that have been modified in the last 60 minutes?"
```

3. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] `find /etc -mmin -60` [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] **2:** [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

1. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]:

```
$ c "how to troubleshoot sshd failing to start?"
```

2. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] `systemctl status sshd` [illegible] `journalctl -u sshd` [illegible] [illegible] [illegible] [illegible] [illegible]
3. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] **3:** [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]:

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2. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
3. [illegible] [illegible] [illegible]-[illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

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RHEL Lightspeed [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

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   ```
   $ cat /var/log/sssd/sssd.log | c "Analyze this log for errors and explain why the service failed to start"
   ```

3. □□□□□□□□□ □□ □□□□□□ □□ □□□□□□□ □□□□□ □□ □□□□□□ □□□ □□ □□□ □□□□□□□ □□ □□□□ □□□□□□□ □□□□□□ □□□ □□ □□□□□□□□□□□□□ □□□□□□□□ □□□□□□ □□ □□□□□ □□□□□□

[illegible] 2: [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

1. [illegible] 1 [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible]:

   ```
   $ c "The log indicates a syntax error in /etc/sssd/sssd.conf. How do I validate
   this file for errors?"
   ```

2. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
3. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]:

   ```
   $ <command_that_failed> 2>&1 | c "Explain this error and provide the correct
   syntax"
   ```

[illegible] 3: [illegible] [illegible] [illegible]

1. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
2. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]:

   ```
   $ systemctl status sssd
   ```

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

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