

Reading Files



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Exam Objectives



Analyze text using basic regular expressions

Compare text files

Compare binary files

Manipulate file content programmatically

Search for files



Demo



Reading from files

Searching files with regular expressions

Editing files with sed

Comparing files



Demo: Reading From Files



Demo: Searching Files With Regular Expressions



Demo: Editing Files With sed



Demo: Comparing Files



Demo: Using Find



cat

less

head

tail

tail -n1 <file>



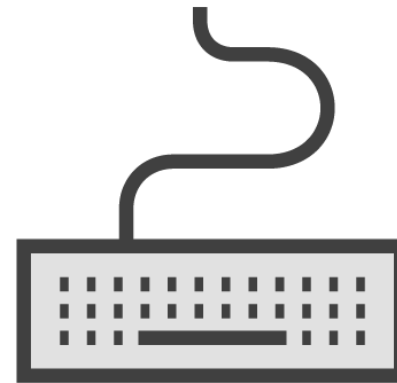
grep

grep -E

^ Begin with

\$ Ends with

^\$ Empty lines



```
$ sudo yum install -y words
```

```
$ grep -E '[aeiou]{5}' /usr/share/dict/words
```

Search For Words With 5 Consecutive Vowels



aliases
functions
sed -i

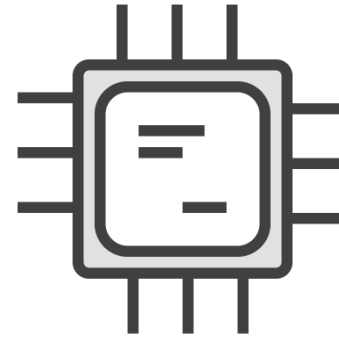


```
$ function clean_file {  
    sed -i '/^#/d;/^$/d' $1  
}
```

Create Function to Remove Commented Lines



diff
md5sum



```
$ diff ntp.conf /etc/ntp.conf
```

```
$ md5sum /usr/bin/passwd
```

```
$ rpm -V ntp
```

Comparing Files



```
$ find /etc -maxdepth 1 -type l
```

```
$ find /boot -type f -size +10000k
```

```
$ find /usr/share -name '*.pdf' -exec cp {} . \;
```

Using Find



Next Up: Using the vi Text
Editor

