



# Customizing the user environment



# Unit objectives

After completing this unit, you should be able to:

- List the order of login scripts
- Modify login scripts to customize the bash environment
- List the tools available for customizing the GUI

# Bash initialization: Login shell

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/etc/profile

\$HOME/.bash\_profile

-or- \$HOME/.bash\_login

-or- \$HOME/.profile



\$

**Bourne again shell**

\$HOME/.bash\_logout

# Bash initialization: Non-login shell

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~/.bashrc

\$


**Bourne again shell (interactive)**

\$BASH\_ENV

**Bourne again shell (non-interactive)**

# Bash initialization with Red Hat extensions

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```
/etc/profile  
    /etc/profile.d/*.sh  
$HOME/.bash_profile  
    export BASH_ENV=$HOME/.bashrc  
$HOME/.bashrc  
/etc/bashrc
```



```
[user@host dir]$
```

**Bourne again shell**

```
$HOME/.bash_logout
```

# Bash initialization with SLES extensions

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```
/etc/profile
/etc/profile.d/*.sh
/etc/SuSEconfig/profile
/etc/profile.local
/etc/bash.bashrc
$HOME/.bashrc
$HOME/.alias
$HOME/.profile
```

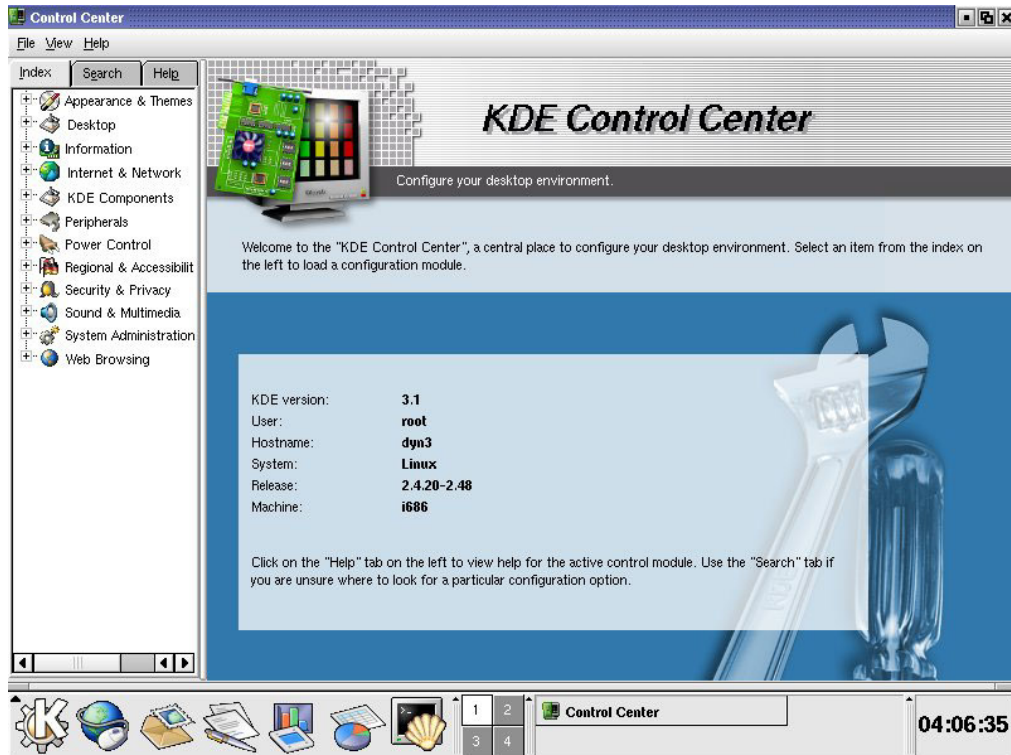
host:dir \$

**Bourne again shell**



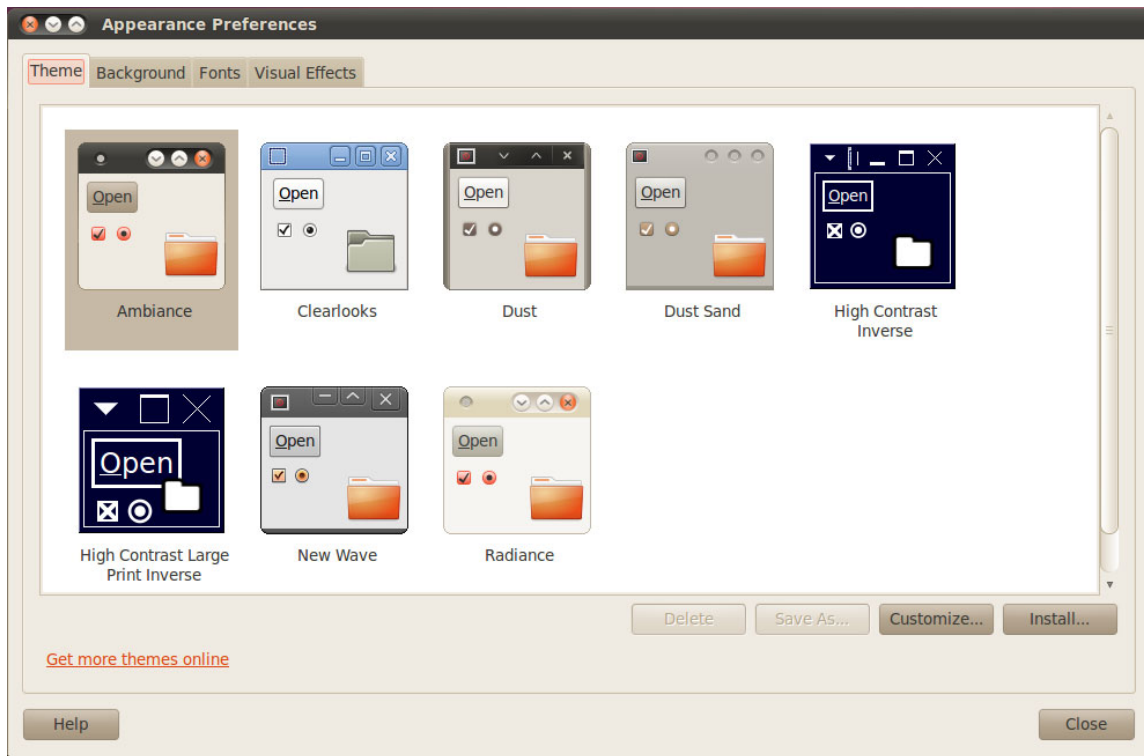
```
$HOME/.bash_logout
```

# KDE customization



# GNOME customization

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# Unit review

- A number of shell scripts allow you to customize your shell environment.
- Both KDE and GNOME have an integrated control center for customization.

# Checkpoint

1. Which file would you use to customize your environment variables, and why this file?

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2. What do the following variables define on your system:  
PATH, PS1

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# Checkpoint solutions

1. Which file would you use to customize your environment variables, and why this file?

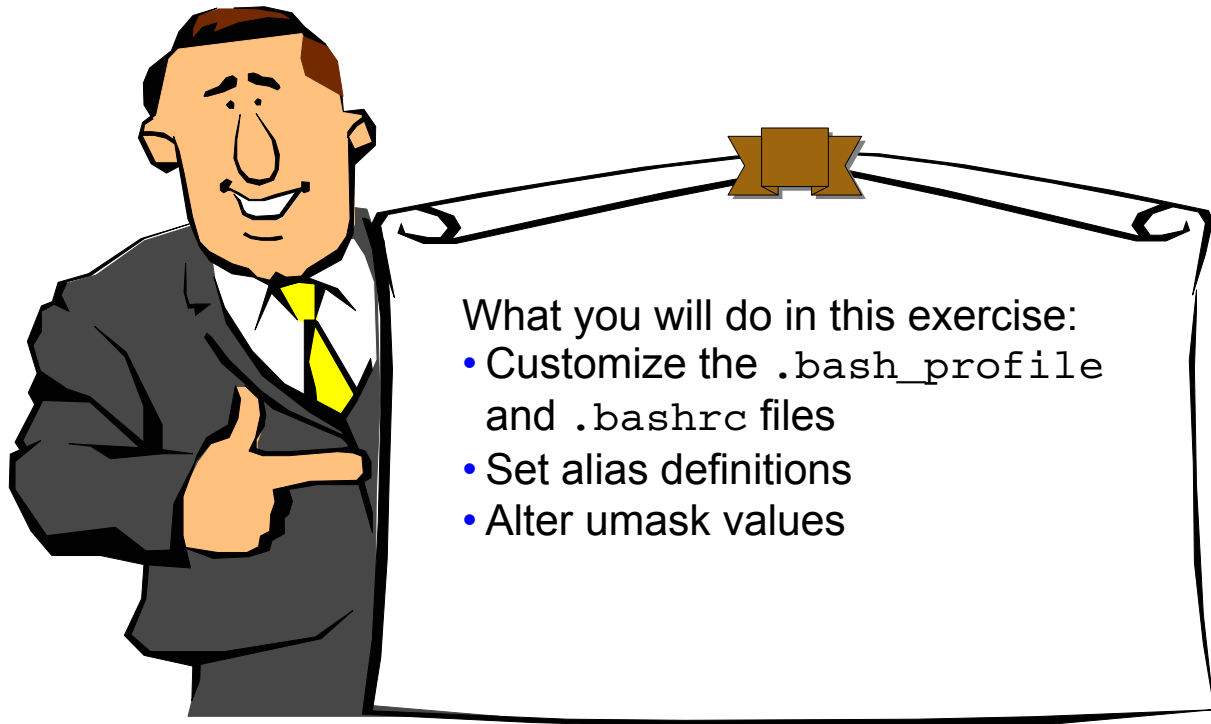
The answer is `$HOME/.bash_profile` because this overwrites the defaults set in `/etc/profile`. If the settings cannot be exported to subshells, the `$HOME/.bashrc` file can be used.

2. What do the following variables define on your system:  
PATH, PS1

The answer is `PATH` defines the directories to look for commands and `PS1` is your primary shell prompt.

# Exercise: Customizing the user environment

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What you will do in this exercise:

- Customize the `.bash_profile` and `.bashrc` files
- Set alias definitions
- Alter umask values

# Unit summary

Having completed this unit, you should be able to:

- List the order of login scripts
- Modify login scripts to customize the bash environment
- List the tools available for customizing the GUI