

# Advanced Operating System with UNIX

## Unit 4 - Getting Started

Christian Kniep

Internation Center of Applied Technologies Bandung

14. August 2010

# Why you are able to work with the System

- Please read Section 4.1 and 4.1.1

# Why you are able to work with the System

- Please read Section 4.1 and 4.1.1
- What is a username?

# Why you are able to work with the System

- Please read Section 4.1 and 4.1.1
- What is a username?
- What the deal with the initial password?

# Log onto the machine

- Please read Section 4.1.2

# Log onto the machine

- Please read Section 4.1.2
- Why is your password not shown when you type it, Windows has at least asterisks?

# Log onto the machine

- Please read Section 4.1.2
- Why is your password not shown when you type it, Windows has at least asterisks?
- `gray:*:1001:1001:Gray Ho:/home/gray:/bin/bash`  
What is the Problem if you get

# Log onto the machine

- Please read Section 4.1.2
- Why is your password not shown when you type it, Windows has at least asterisks?
- `gray::1001:1001:Gray Ho:/home/gray:/bin/bash`

What is the Problem if you get

- ▶ `Could not chdir /home/test: No such file or directory`



# Log onto the machine

- Please read Section 4.1.2
- Why is your password not shown when you type it, Windows has at least asterisks?
- `gray:*:1001:1001:Gray Ho:/home/gray:/bin/bash`

What is the Problem if you get

- ▶ `Could not chdir /home/test: No such file or directory`
- ▶ `Permission denied, please try again.`

# Log onto the machine

- Please read Section 4.1.2
- Why is your password not shown when you type it, Windows has at least asterisks?
- `gray:*:1001:1001:Gray Ho:/home/gray:/bin/bash`

What is the Problem if you get

- ▶ `Could not chdir /home/test: No such file or directory`
- ▶ `Permission denied, please try again.`
- ▶ `ssh_exchange_identification: Connection closed`

Login Succeeds

# Whats next

- Please read Section 4.1.3

Login Succeeds

# Whats next

- Please read Section 4.1.3
- Whats the 'Message Of The Day'

Login Succeeds

# Whats next

- Please read Section 4.1.3
- Whats the 'Message Of The Day'
- What other messages could appear?

Login Succeeds

# Whats next

- Please read Section 4.1.3
- Whats the 'Message Of The Day'
- What other messages could appear?
- What is the 'prompt'

Login Succeeds

# Whats next

- Please read Section 4.1.3
- Whats the 'Message Of The Day'
- What other messages could appear?
- What is the 'prompt'
- PS1?

# Privileges and Permissions

- Please read Section 4.2



# Privileges and Permissions

- Please read Section 4.2
- Why do we want different Privileges?

# Privileges and Permissions

- Please read Section 4.2
- Why do we want different Privileges?
- What permissions-triples do you know?

# Getting stopped

- Please read Section 4.3

# Getting stoped

- Please read Section 4.3
- What are possible ways to get out?

# what to do?

- Please read Section 4.4

# what to do?

- Please read Section 4.4
- Why do you need commands?

# definition?

- Please read Section 4.4.1

# definition?

- Please read Section 4.4.1
- What is it?



# definition?

- Please read Section 4.4.1
- What is it?
- What are common options for `ls`

# stdin - stdout

- Please read Section 4.4.2

# stdin - stdout

- Please read Section 4.4.2
- Who wants to try it?

# Introduction, Viewing and Setting the Environment

- Please read Section 4.4.3 and 4.4.3.1

# Introduction, Viewing and Setting the Environment

- Please read Section 4.4.3 and 4.4.3.1
- What is the environment?

# Introduction, Viewing and Setting the Environment

- Please read Section 4.4.3 and 4.4.3.1
- What is the environment?
- Why do we need it?

# Introduction, Viewing and Setting the Environment

- Please read Section 4.4.3 and 4.4.3.1
- What is the environment?
- Why do we need it?
- how could you have a look at it?

# bashrc and alike

- Please read Section 4.4.3.2



# bashrc and alike

- Please read Section 4.4.3.2
- Whats the advantage of the startup-scripts?

# The hidden setting

- Please read Section 4.4.3.3

# The hidden setting

- Please read Section 4.4.3.3
- Why is it clever to store the settings of your user in your home-dir?

# The hidden setting

- Please read Section 4.4.3.3
- Why is it clever to store the settings of your user in your home-dir?
- What is the advantage when you have multiple machine and a central home?

# Safty First!

- Please read Section 4.5

# Safty First!

- Please read Section 4.5
- Who you gonna tell the password?

# Safty First!

- Please read Section 4.5
- Who you gonna tell the password?
- Some strategies to avoid easy to guess PW?

# Safty First!

- Please read Section 4.5
- Who you gonna tell the password?
- Some strategies to avoid easy to guess PW?
- Tipp: Use first chars out of sentences.  
**My password 1s secure. Nobody will guess 1t.**



# Safty First!

- Please read Section 4.5
- Who you gonna tell the password?
- Some strategies to avoid easy to guess PW?
- Tipp: Use first chars out of sentences.  
**My password 1s secure. Nobody will guess 1t.**

⇒ Mp1sNwg1

# Some special chars

- Please read Section 4.6 and 4.6.\*

# Some special chars

- Please read Section 4.6 and 4.6.\*
- What are these special chars for?

# Some special chars

- Please read Section 4.6 and 4.6.\*
- What are these special chars for?
- In my Opinion the most used: `ctrl-C` and `ctrl-D`

# Help, I need somebody..

- Please read Section 4.7

# Help, I need somebody..

- Please read Section 4.7
- What are the two ways to get help?

# Help, I need somebody..

- Please read Section 4.7
- What are the two ways to get help?
- whats teh man page?

# Help, I need somebody..

- Please read Section 4.7
- What are the two ways to get help?
- whats teh man page?
- and `--help` / `-h` or `-? ?`



# Help, I need somebody..

- Please read Section 4.7
- What are the two ways to get help?
- whats teh man page?
- and `--help` / `-h` or `-? ?`
- `man -k ?`