

## Meet The Command Line User, Group, & Hak Akses

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# Hak Cipta



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<http://training.kurungsiku.com/slides/>

Anda bebas untuk menggunakan dokumen ini sejauh

- Tidak untuk kegiatan komersial
- Tidak membuat karya turunan

# Users

- Tiap User memiliki User ID (UID)
- UID 0 merupakan root
- Username dan UID disimpan di `/etc/passwd`
- User memiliki direktori home sendiri dan
- User tidak dapat membaca, menulis, atau mengeksekusi file user lain kalau tidak memiliki hak akses

# Groups

- Tiap user dikelompokkan kedalam (satu atau lebih) group.
- Tiap group memiliki Group ID (gid) yang unik
- GID disimpan di /etc/group
- Tiap user memiliki group private sendiri
- User yang ada didalam group yang sama dapat berbagi file

# Melihat permission (long listing / `ls -l` -1)

```
[kurungsiku@localhost ~]$ ls -l /bin/
total 7488
-rwxr-xr-x 1 root root 6276 Jan 21 2009 alsacard
-rwxr-xr-x 1 root root 18784 Jan 21 2009 alsaunmute
-rwxr-xr-x 1 root root 4988 Jan 21 2009 arch
lrwxrwxrwx 1 root root 4 Jun 5 07:19 awk -> gawk
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-rwxr-xr-x 1 root root 41860 Jan 21 2009 chgrp
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# Permission

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```

# User Pemilik File

```
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# Group Pemilik File

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```

# Ukuran Files dalam Bytes

```
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```

# Modifikasi file

```
[kurungsiku@localhost ~]$ ls -l /bin/
total 7488
-rwxr-xr-x 1 root root 6276 Jan 21 2009 alsacard
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```

# Nama File

```
[kurungsiku@localhost ~]$ ls -l /bin/
total 7488
-rwxr-xr-x 1 root root 6276 Jan 21 2009 alsacard
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```

# Tipe Hak Akses

- **r** : hak untuk membaca file dan melihat isi direktori
- **w**: hak untuk menulis, membuat dan menghapus file
- **x** : hak untuk mengeksekusi aplikasi, masuk ke dalam direktori, dan melihat isi detail direktori
- **-** : tidak diberikan hak akses

# Nilai Hak Akses

- Read : 4
- Write : 2
- Execute : 1

# Mengubah Hak Akses (numerik)

- Tiga digit angka
  - Digit pertama, `user`
  - Digit kedua, `group`
  - Digit ketiga, `other`
- Hak akses dihitung dengan menjumlahkan nilai hak akses untuk tiap bagian
- Contoh :
  - `$ chmod 755 skrip.sh`

# Mengubah Kepemilikan File

- Hanya root yang bisa mengubah kepemilikan file
- Hanya root atau pemilik file yang bisa mengubah kepemilikan group file
- Mengubah kepemilikan (user) **chown**:  
`chown [-R] user_name file|directory`
- Mengubah kepemilikan (group) **chgrp**:  
`chgrp [-R] group_name file|directory`

# Membuat User

- `$ su`
- `# useradd <Nama User Baru>`
- `# passwd <Nama User Baru>`

# Membuat Group

- \$ su
- # groupadd <nama group>