

# 110.3 - Securing data with encryption

## Weight: 3

Description: The candidate should be able to use public key techniques to secure data and communication.

## Key Knowledge Areas:

- Perform basic OpenSSH 2 client configuration and usage
- Understand the role of OpenSSH 2 server host keys
- Perform basic GnuPG configuration, usage and revocation
- Understand SSH port tunnels (including X11 tunnels)

## Terms and Utilities:

- ssh
- ssh-keygen
- ssh-agent
- ssh-add
- ~/.ssh/id\_rsa and id\_rsa.pub
- ~/.ssh/id\_dsa and id\_dsa.pub
- /etc/ssh/ssh\_host\_rsa\_key and ssh\_host\_rsa\_key.pub
- /etc/ssh/ssh\_host\_dsa\_key and ssh\_host\_dsa\_key.pub
- ~/.ssh/authorized\_keys
- ssh\_known\_hosts
- gpg
- ~/.gnupg/