

# Day 04

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## Kick-off

### T5 - Networks and Systems Admin. Seminar

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T-NSA-500

# Backup

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Several solutions exist to make a backup of the database

- script custom
- mysqldump



# Cron

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Cron is a program for automatically executing scripts, commands or software at a specified date and time, or on a predefined cycle.

Each user has a crontab file, allowing them to specify actions to be executed. Cron is sometimes called a “task scheduler” or “scheduled task manager”.



# HTTP vs HTTPS

## HTTP : Hyper Text Transfer Protocol

HTTP and HTTPS are the two protocols used to transmit data over the Internet and websites. HTTP stands for HyperText Transfer Protocol, while the addition of the “S” in HTTPS means that it is a secure connection.

Although this is not a security provision in its own right, it indicates that data is transmitted securely using a Secure Socket Layer (SSL) protocol (also known as a security certificate) so that anything sent over the network will be secure.



# SSL / TLS

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**SSL** : Secure Socket Layer

**TLS** : Transport Layer Security

SSL is a standard technology for securing the Internet connection and protecting sensitive data that is transmitted between two systems, preventing criminals from reading and modifying the information transferred, including any personal information.

TLS is simply a new, more secure version of SSL



## Self-signed certificat

HTTPS is a protocol that encrypts exchanges between its server and the web browser. Thus, it is impossible for a hacker to recover the identifiers entered to log on to a site. In HTTP, the identifiers pass in clear and are easy to intercept.

It requires the creation of an SSL certificate that will allow the encrypted exchanges to be initiated.

To be recognised by a web browser, the SSL certificate must be signed by a certification body. These organisations charge for this certification.

You can also sign your own SSL certificate, in which case it will not be known by browsers.



# Questions ?

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Do you have any questions ?

