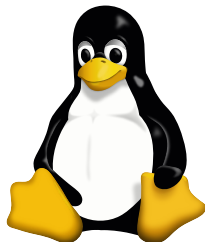


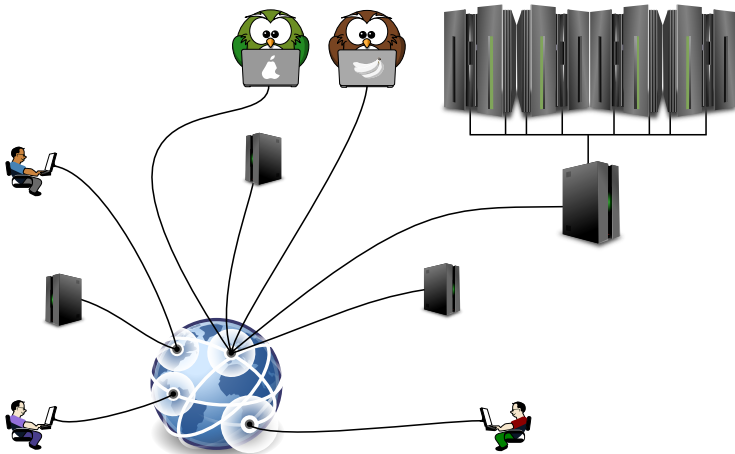
## Practical Linux

### Connecting to Other Machines

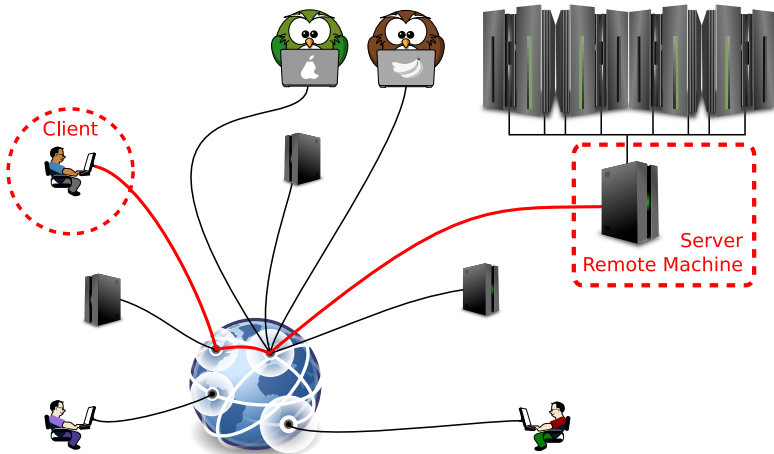


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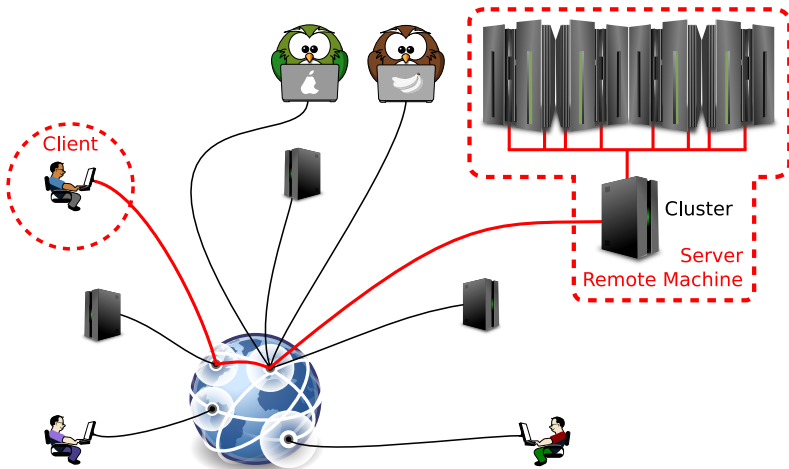
## Overview



## Overview



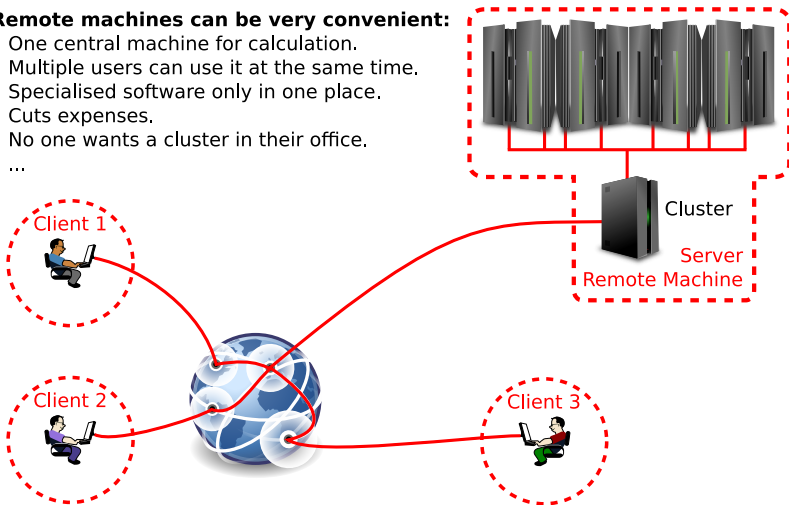
## Overview



## Benefits

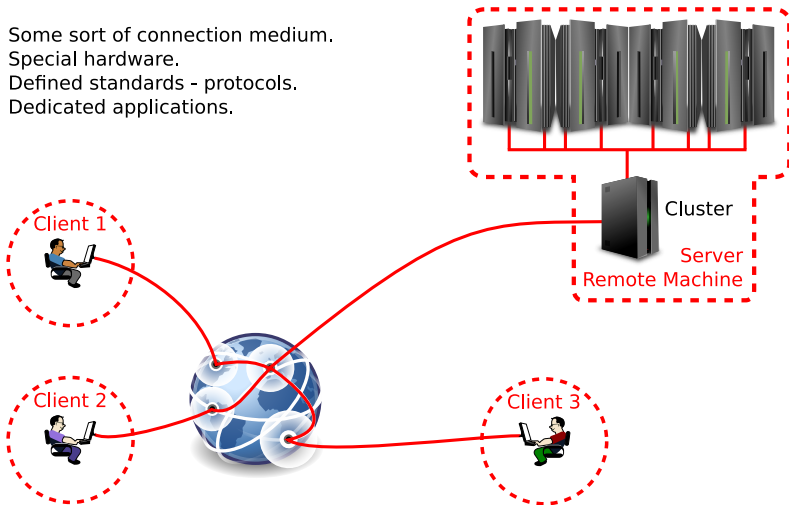
### Remote machines can be very convenient:

- One central machine for calculation.
- Multiple users can use it at the same time.
- Specialised software only in one place.
- Cuts expenses.
- No one wants a cluster in their office.
- ...



## How?

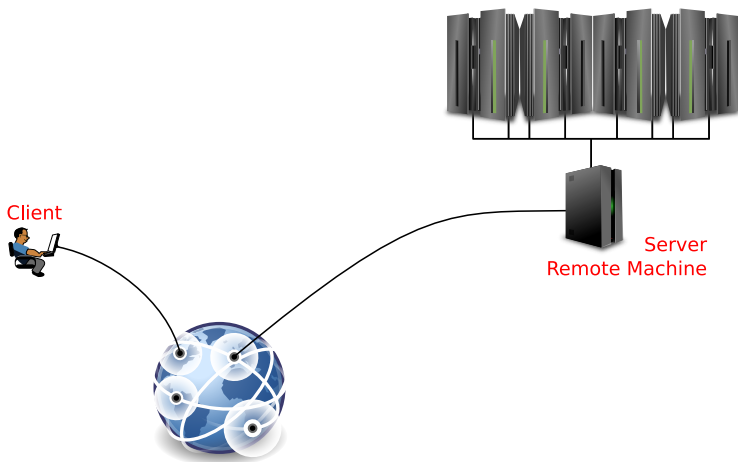
- Some sort of connection medium.
- Special hardware.
- Defined standards - protocols.
- Dedicated applications.



## Protocols

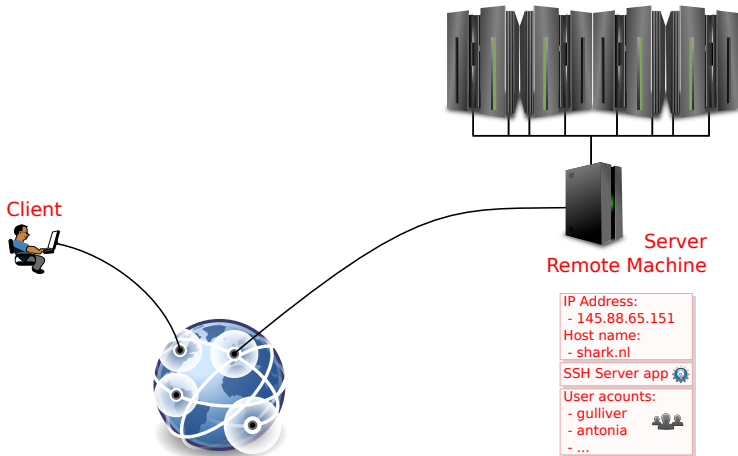
- HTTP - When visiting websites.
- IMAP - When fetching email.
- ...
- Telnet - Plain text protocol for remote access (unsecure).
- **SSH - Secure protocol for remote access.**
- ...
- **SFTP - For file transfer.**
- ...

## SSH

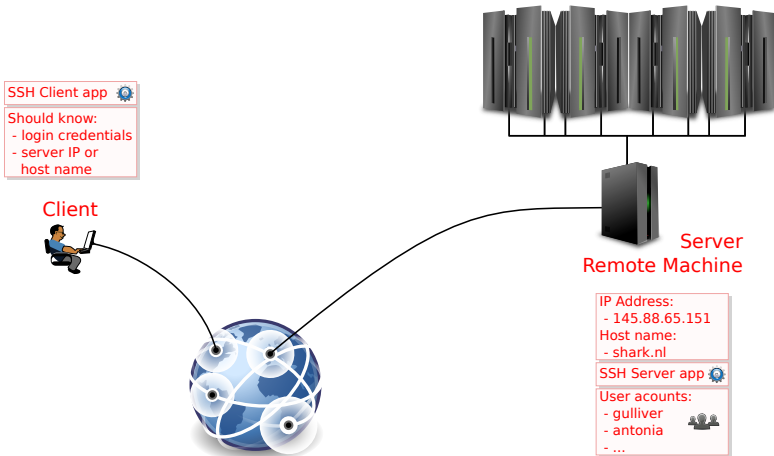




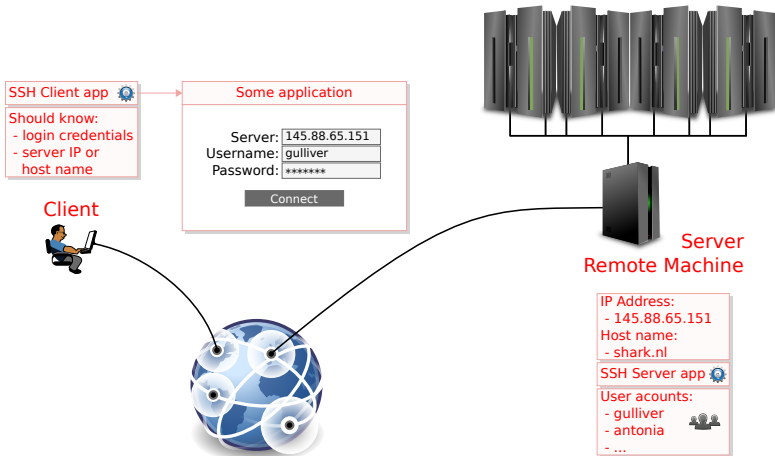
## SSH



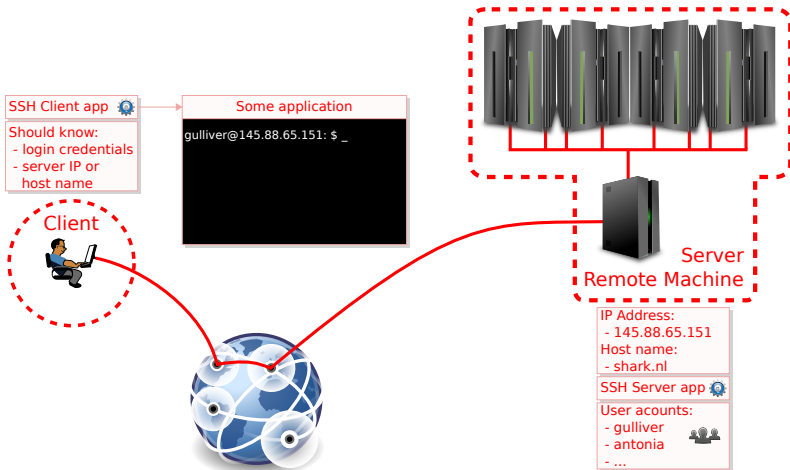
## SSH



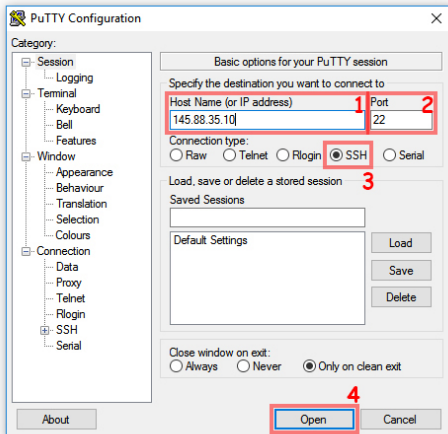
## SSH



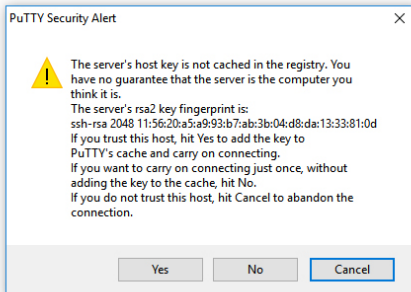
## SSH



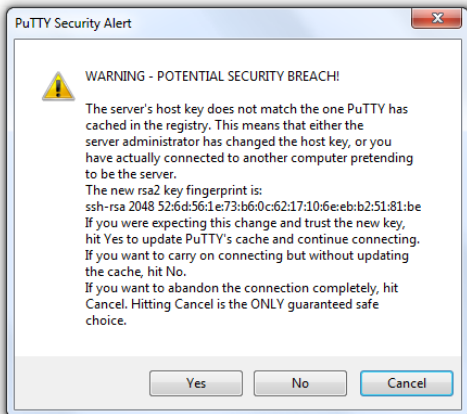
## Connect



## Connect

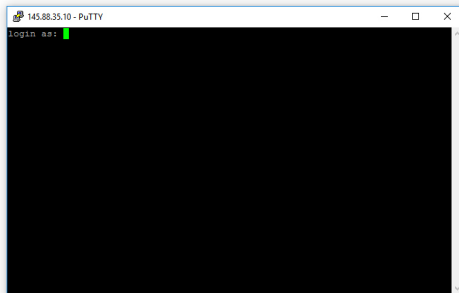


## Connect



# PuTTY

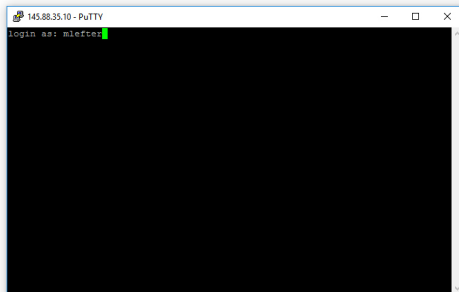
## Connect





# PuTTY

## Connect

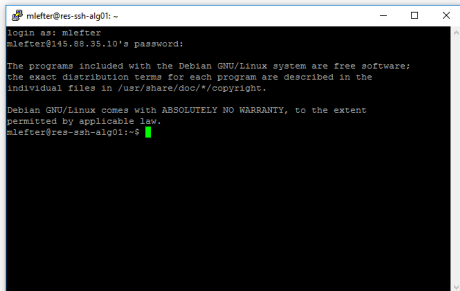


# PuTTY

## Connect



## Connect



```
mlefter@res-ssh-alg01: ~  
login as: mlefter  
mlefter@145.88.35.10's password:  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
mlefter@res-ssh-alg01:~$
```

Additional information [here](#):

- mobaXterm;
- Jump servers;
- Linux ssh;
- Remote copy.



Leiden University  
Medical Center

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Mihai Lefter  
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