

# ThinLinc and Cendio



# Cendio AB



“New” Cendio was founded in Sweden in 2003. The Headquarter is located in Linköping, Sweden.

Cendio is a software development company, with a history of developing strong software for security and server solutions. Cendio is the founder of Fuego Firewall (OEM by 3Com).

Research & Development is mainly done in the headquarters

Cendio has strong expertise in Desktop and Application virtualization, Open Source Software and Linux, Unix and Windows.

Privately held, financing granted by major private investor

# Growing Technology

- *Advanced Graphics* -



- ❑ Full Voice/Microphone support
  - ❑ (Education apps. etc.)
- ❑ Full support of streaming video/sound
  - ❑ (TV, Movies, etc.)
- ❑ ThinLinc very well suited for graphic intensive applications such as FEM, CAD/CAM, CAE and visualization/simulation.



# Saab Aerosystems uses ThinLinc in Gripen development



***ThinLinc allows Saab to eliminate the problem of different tools requiring different operating systems, a key consideration in migrating to thin-client technology.***

Development work which previously required special workstations or forced workers to use multiple computing platforms can now be performed in a single environment. Linux-based visualization tools, analysis software running on UNIX platforms and design tools in Windows can now co-exist on the same desktop. Developers benefit from features including the flexibility to work from any location, while maintaining performance in graphic-intensive applications.



***“We believe that ThinLinc will give us the flexible thin client based virtualization solution that we need in our development process”***

says Sofia Thorn, head of IS/IT strategy at Saab Aerosystems.

***\* The Gripen multi-role combat aircraft is the first of the new generation to enter service***

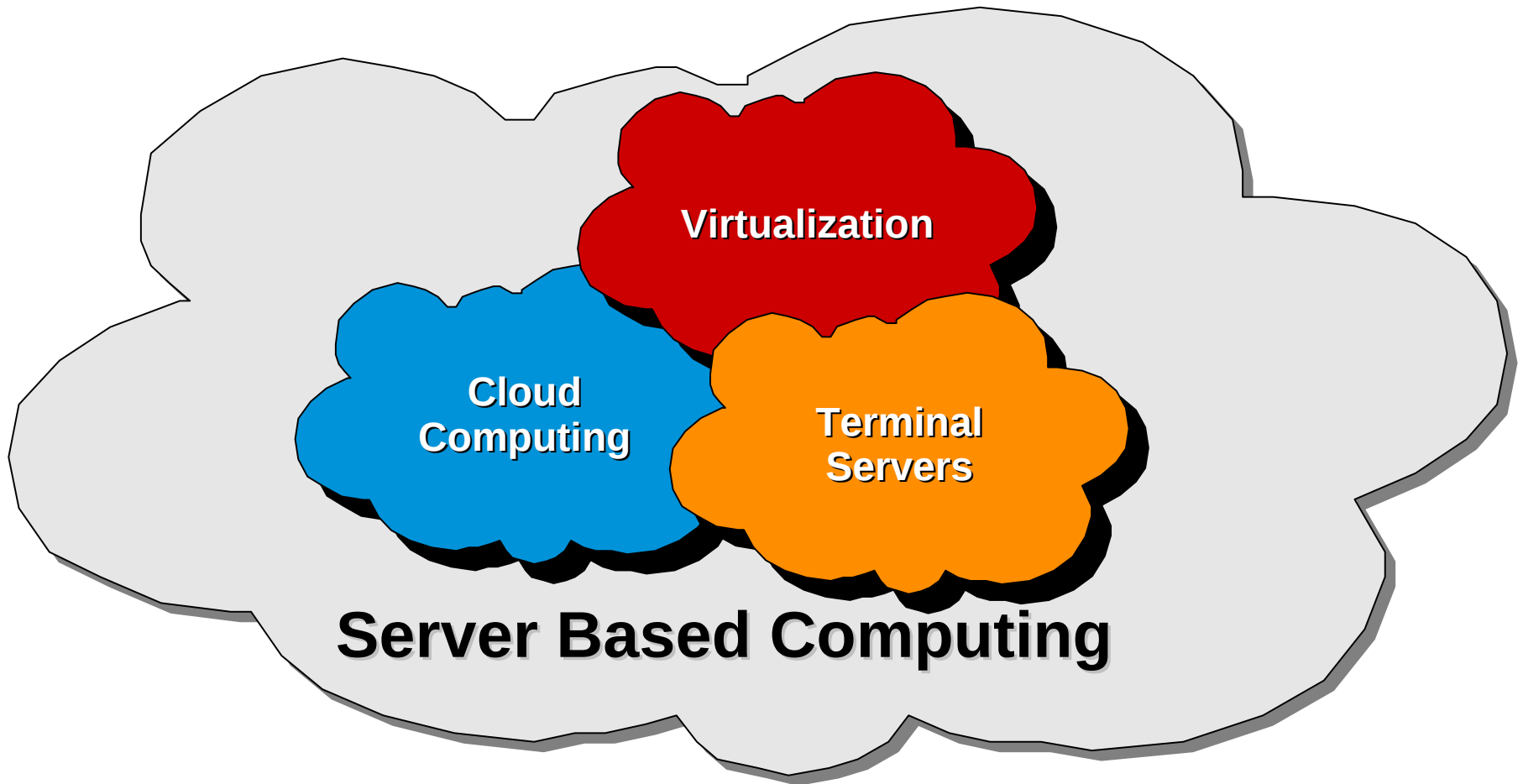
# Proof of Concept - Installed base



- More than 75 different organizations/companies
- Installations in Europe, North & South America and Asia
- Users in different segments (Education, Government, Healthcare and Manufacturing)



# ThinLinc and Industry trends



# Thin Client infrastructures



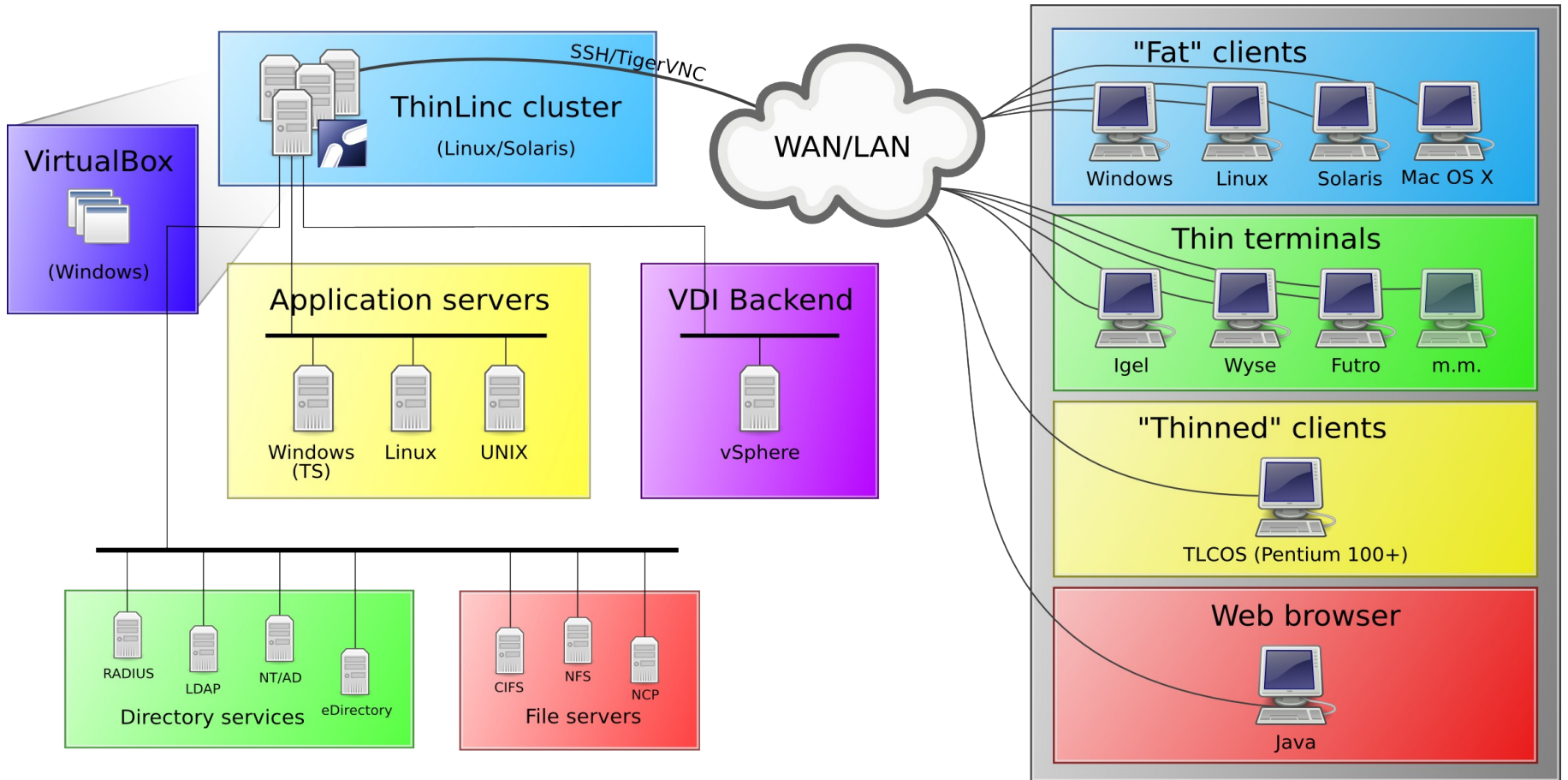
- ❑ Use applications from Linux/Open Source, Windows and others at the same Desktop
- ❑ Ability to migrate from Windows step by step into a Linux Desktop environment
- ❑ Centralized maintenance and easier administration
- ❑ Faster distribution of new applications
- ❑ Mobile use regardless of workplace equipment and placement
- ❑ Lower Total Cost of Ownership
- ❑ Green IT – Driving investments into terminal server solutions

# ThinLinc – Overview

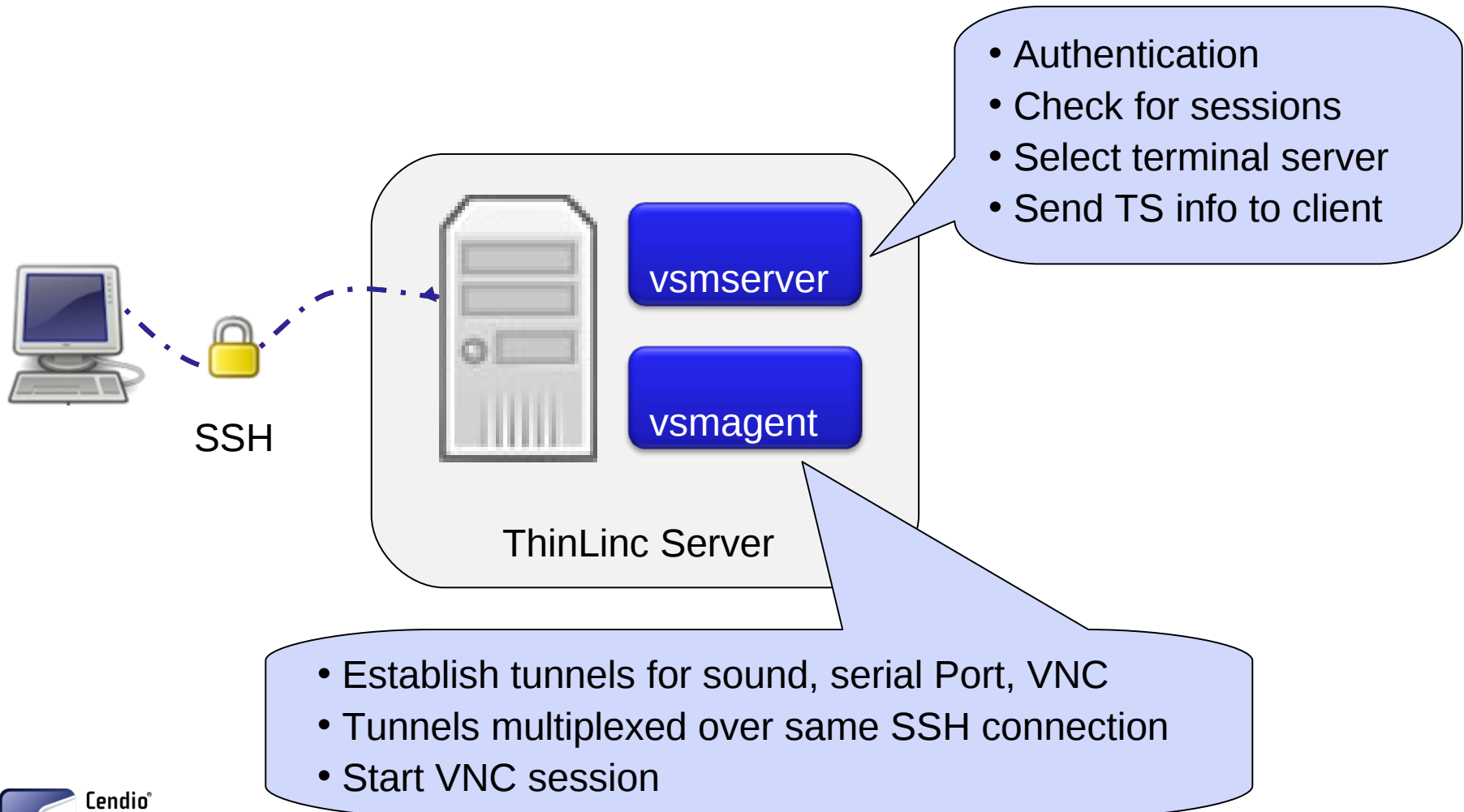


- ❑ ThinLinc is a Linux terminal server solution, which also offers flexible and secure solutions for VDI (Virtual Desktop Infrastructure)
- ❑ Fast development due to use of Open Source Software
- ❑ ThinLinc enables centralizing applications through the use of thin clients
- ❑ Allows to use applications from heterogeneous platforms on one Desktop

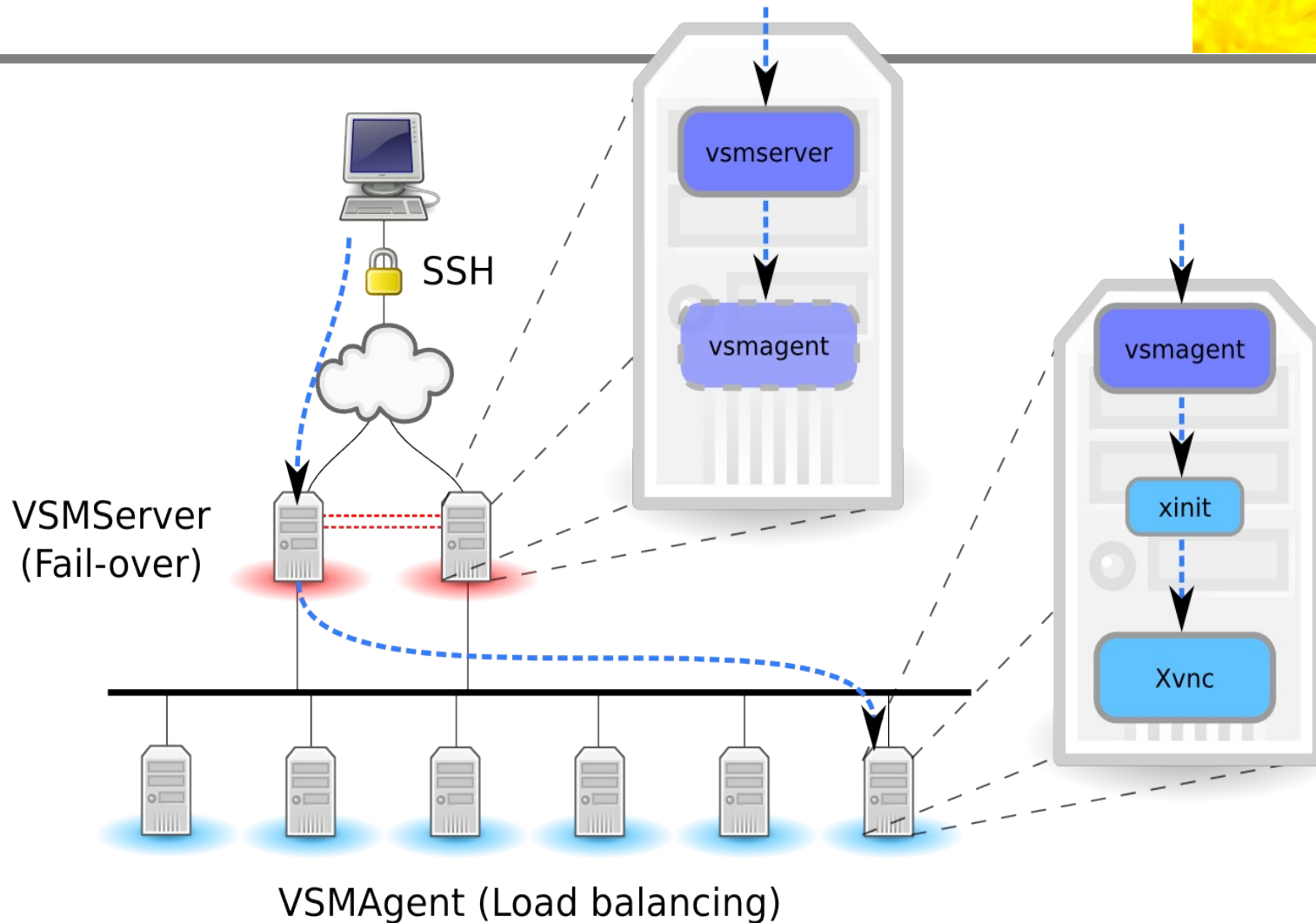
# System Architecture



# ThinLinc Server components



# Load balancing and High Availability



# Product highlights



- Full Voice/Microphone support (Education apps.)
- Full support of streaming video/sound (TV, Movies, etc.)
- Advanced graphics support (FEM/CFD/CAD, OpenGL)
- Load Balancing/High Availability (HA)
- Smart card support
- Secure communication (End-to-End VPN)
- Enhanced VDI Connection Broker

# Product highlights – cont.



## ❑ Wide range of authentication options

- Active Directory, LDAP servers, public keys, one time passwords, ...

## ❑ Flexible printing integration

- Local printer support
- Nearest printer function

## ❑ Filesharing integration

- Access to Windows File Servers and Novell Netware shares

## ❑ Webmin plugin for ThinLinc

## ❑ ThinLinc Desktop Customizer

- Central administration of client desktops (menues and applications)

# ThinLinc VDI



- ❑ Possibility to access Virtual desktops together with Linux and Windows Terminal Servers from one client
- ❑ Create a personal Virtual desktop or a Pool of Virtual desktops
- ❑ Move your session between different clients for fast login & logoff (hot desking)
- ❑ Smart Card support
- ❑ Centralised operation of all computer resources
  - No risk of lost or stolen information
  - Client / Server applications run centrally. Increased performance with less requirements on bandwidth
- ❑ All traffic encrypted over SSH

# Why work with us



- ❑ Long term Linux & Linux Terminal Server experience
- ❑ Linux-TS Functionality – richest feature set on the market
- ❑ Security – Security awareness, strong encryption, authentication options & smartcard support
- ❑ Economy – low TCO
- ❑ Dedicated, highly motivated team