EVIDEN

TNVIP SE V5

For a simplified terminal administration

With native TCP/IP connections, access to databases such as Oracle and PostgreSQL, Java applications and Intel processors, GCOS systems have become increasingly more open due to the adoption of the latest technologies and market standards. The new GCOS systems can now be easily accessed with TNVIP SE (Server Extended) V5 together with an emulator such as VIPlet. The TNVIP SE V5 communications server is a software solution allowing terminals to connect to GCOS 7 and GCOS 8 systems. It provides an end to end TCP/IP connectivity between the workstation and the GCOS application. TNVIP SE is available for Windows, and Linux environments. Its multi-thread flexible and extensible architecture allows the support of a large number of connections.

The V5 release provides an improved flexibility of use with excellent performance to system administrators with the following benefits:

- Centralized license handling and availability of on site licenses, whatever the number of TNVIP SE V5 servers

- Remote management from a Windows GUI application

- Automatic load distribution over several GCOS7 OCS

- Support of high availability configurations with active backup included in the site license

- Very high performance enabling the support of several thousands of simultaneous connections on a single PC-like server.

TNVIP SE V5 consists of:

- A TNVIP server handling client connections in TNVIP (RFC 1921) protocol, an extension of the Telnet protocol

- A Terminal Manager handling DSA connections to GCOS 7 and GCOS 8 applications using the RFC1006 protocol (DSA session on TCP/IP transport).

The TNVIP SE V5 communications server provides a complete compatibility with existing gateways. Two types of local dialogue allow the re-use of emulator scripts in case of migration from MainWay, TNVIP-AIX, TNVIP-NT or other gateways, thus protecting investments.
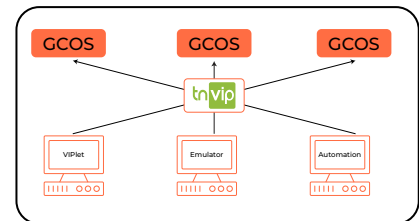
A simplified administration:

With TNVIP SE V5, the dynamic modification of parameters can be made without stopping the TNVIP server thus simplifying the administration and improving the overall reliability.Administration can be done remotely thanks to:

- A Windows administration tool that can manage heterogeneous TNVIP SE servers (Windows, Linux) through the TCP/IP network

- An administration tool proper to Linux and platforms and accessible from a Telnet emulator or SSH

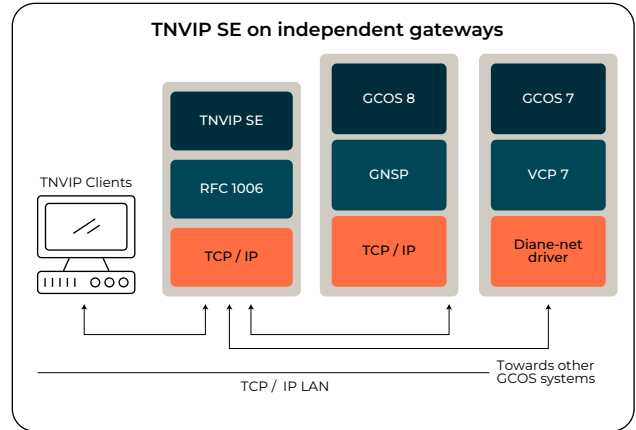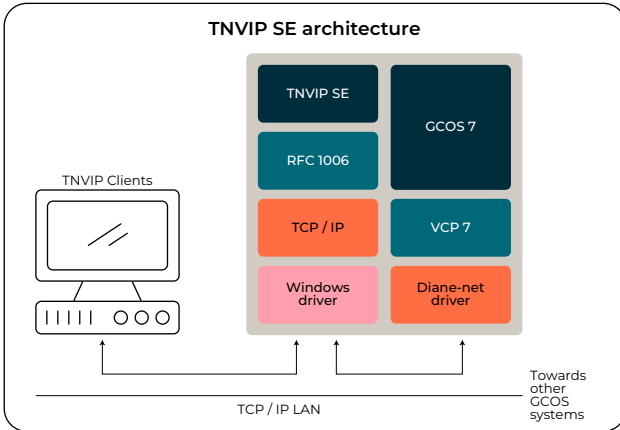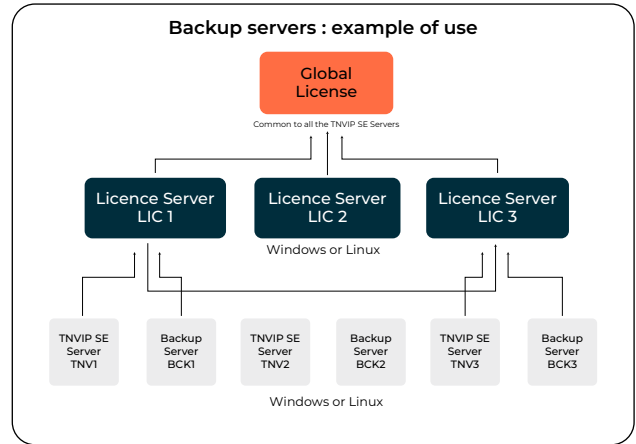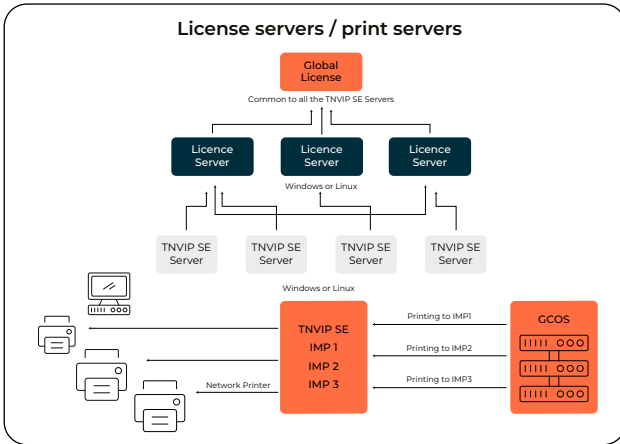### Centralized license handling and support of heterogeneous platforms:

TNVIP SE V5 is well adapted to both small and large configurations. The centralized license handling at

site level based on license servers enables the distribution of a global license over several TNVIP SE servers. The license servers can be heterogeneous (Windows, Linux) and serve an unlimited number of TNVIP SE servers. They can be installed on the same physical machine as TNVIP SE or on an independent machine.

Easy to use and manage

Statistics on client and server connections are provided in a format compatible with Microsoft Excel to simplify management. In addition, the number of sessions supported is potentially unlimited, as it depends only on the power of the installation server. In terms of high availability, TNVIP SE V5 enables administrators to create one or several backup servers with no additional license fee, since licenses are managed at site level independently from the number of servers. Another advantage: backup servers can be active, the load can thus be distributed in normal functioning. Should a server fail the load can be handled by another server. Last but not least a print server is integrated in TNVIP SE V5. It allows direct printing from GCOS, without an emulator session and with no need to have a terminal dedicated to printing.

License servers / print servers

Backup servers : example of use

TNVIP SE architecture

TNVIP SE on independent gateways

Environment

Platforms supported
Intel IA32, x64, The TNVIP SE server can be installed on:
- A separate platform
- Server GCOS7
- Server GCOS8

Systems supported
TNVIP SE server :
- Windows Server 2008, 2012, 2016, 2019
- Linux IA32, x64, version kernel 2.6.32-341 or +

Remote administration tool :
- Windows Server 2008, 2012, 2016, 2019
- Windows 7, 8, 10

Communications
TCP/IP network + TNVIP client on the client side
DSA session + RFC1006 on the GCOS server side

Packaging
one single CD for all platforms

Functions

Communication gateways
- Can be used by any emulator supporting the TNVIP protocol (RFC 1921)
- Terminal models supported:
  VIP7700, VIP7760, VIP7001, DKU7005, DKU7007D, DKU7105, VIP7800, DKU7107D, DKU7211, DKU7211D, VIP7804, VIP7804V, VIP7814, HDS7
- Statistics function for client, GCOS screen and GCOS printer connections
- Possibility of limiting access to a resource to a given workstation
- Number of threads configurable or automatically calculated by TNVIP SE server
- Ergonomic facilities for connection display (filters, search function within the connection list, several refresh times)

Licencing
- Licenses according to the number of simultaneous connections
- Licenses can be distributed over main and backup servers

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