



## XS-Agents for network monitoring

***Within the INFRA-XS<sup>®</sup> product family, XS-Agents measure a wide range of application and network-relevant data from the end-user perspective, therefore portraying realistic business cases.***

### XS-Agents for network monitoring

XS-Agents for network monitoring measure network-related IT quality parameters, including network round-trip time and throughput of individual connections or complete sub-networks on end user workstations or measurement robots. In these measurements, the entire network traffic is analysed and compressed. The compressed information is continuously sent to the XS-Server, and the entire network recordings are held in the available cache.

If the network measurements are not made directly at end-user workstations, the workflow environment for the network measurements is a "measurement robot" or "automated measurement system", which is installed at the end-user locations in the company network. Standard Windows-based PCs can be used as hardware, with standard software components installed, taking account of the system requirements, and with adequate free hard drive space for the detailed network recordings and the compressed data.

XS-Agents for network monitoring require no operator, no keyboard and no monitor, can be remotely administered and, in cases of failure (e.g. failure of an application server or faults on the network transmission path, e.g. the telemetry port), autonomously ensure that measurements continue to be carried out and that no recorded data is lost, e.g. by using a self-monitoring watchdog-mechanism.

If the automated measurement system is connected to a monitoring port (also referred to as a spanning port, SPAN port or link mode port) the software supports a second network connection (telemetry port). The requirement for this is a second network card, which must be installed in the automated measurement system.

While measurement is proceeding, data on resource use on the desktop, and server-related information, including maximum idle time, is also recorded.

All scripts, software modules and parameter values required for measurement can be held on the central XS-Server.

Using adaptable scripts supplied with the system, automated measurement systems are self monitoring in conjunction with the XS-Server, transmitting warning messages when any measurement problems occur.

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### **Performance features:**

- Measurement of network-related IT quality parameters, including
  - Network round trip time
  - Application-related transmitted and received bytes and packets
  - Protocol and network problems occurring
  - Throughput, client and server-related idle time
- Administration port for remote configuration of monitoring parameters
- Measurement of several systems and entire sub-networks when monitoring ports are used
- Powerful, standard-based script language to adjust data compression and transmission and software distribution
- Secures continuous system stability of the automated measurement systems
- Comprehensive standard script libraries, for example for software distribution. All libraries are adaptable.

### **System requirements for XS-Agents for network monitoring**

### **System requirements for XS-Agents for RTF**

#### **Platform:**

- Microsoft<sup>®</sup> Win32 standard platform

### **Operating system:**

- Microsoft<sup>®</sup> Windows<sup>®</sup> 7
- Microsoft<sup>®</sup> Windows<sup>®</sup> XP SP3
- recommended Windows<sup>®</sup> 7

### **Processor:**

- Minimum Intel<sup>®</sup> Pentium<sup>®</sup> 4, 2,5 GHz
- recommended Intel<sup>®</sup> Core<sup>™</sup> 2 or
- AMD Athlon<sup>™</sup> X2

### **RAM:**

- Minimum 1024 Mbyte
- recommended 2048 Mbyte or more

### **Hard drive:**

- around 100 MB required in continuous operation
- around 150 MB required in addition for the installation, if installed from the local hard drive
- around 1 GB in addition recommended as a cache for measured data, if longer offline run times required
- around 10 GB recommended in addition as cache for network data, if network troubleshooting required

**The actual sizing of the system is determined in the scope of the relevant customer projects.**

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