



XS-Agents for live transaction flows

Within the INFRA-XS[®] product family, XS agents measure a wide range of application and network-relevant data from the end-user perspective, therefore portraying realistic business cases.

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XS-Agents for live transaction flows (LTF) measure IT quality parameters, such as response time behaviour, availability and resource consumption on end-user workstations or Windows[®] Terminal servers with LTF-Technology.

To set up a LTF-Monitoring solution a control program together with an LTF-Script is installed on a User-PC or Windows[®] Terminal server. Waiting till the User or a User-Session on the Terminal server begins to work the control program records the data stream produced by the transactions of the user.

The recorded data is analyzed regarding to predefined measuring points. The results are documented and compared with the thresholds defined in Service Level Agreements.

LTF-Technology is excellent applicable for monitoring writing transactions and non-reversible business cases. It can also be used to monitor IT-Infrastructures composed of Terminal servers and Thin Clients which can't be monitored with RTF-Technology using simulations.

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The Infra-XS[®] LTF software requires only a low level of resources on the terminal workstations and can be installed and activated completely remotely, e.g. in the event of problems at a location or on a terminal. The LTF measurement points are administered centrally on the XS-Server, and the measured data is forwarded to the central XS-Server or optionally held for collection on the LTF-Agent.

LTF-Agents support a wide range of application architectures and, while measurement is proceeding, also record data on resource use on the desktop, network response times and throughput and server response times. A particular focus is on the analysis of the terminal configuration.

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

LTFs support Windows applications with graphic user interfaces, as well as a series of transactions which are run via programming interfaces (APIs).

For development and documentation, converters are available, which build on the scripting development environment of INFRA-XS[®]. This procedure is independent of the application being measured and is standardised.



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Performance features:

- Measurement of availability and response times of Windows applications with graphic or textual user interface, including
 - Client/Server applications (e.g. SAP R/3, Siebel, PeopleSoft)
 - Transaction-orientated applications, e.g. vt220, 3270, 5250 and 9750
 - Intranet/Internet applications and protocols, including HTML/HTTP, e-mail (POP3/SMTP), LDAP, DNS
 - Database and RPC interfaces, including Oracle TNS, DCom, Corba, Webservices (SOAP/WSDL)
- Measurement of client, network and server performance
- Flexible XML-based description language for measurement points
- Monitoring scripts for self-monitoring
- Extensive standard script libraries, for example for local archiving and compression of the measured data. All libraries are adaptable.

System requirements

XS-Agents for LTF

System requirements for XS-Agents for RTF

Platform:

- Microsoft[®] Win32 standard platform

Operating system:

- Microsoft[®] Windows[®] 7
- Microsoft[®] Windows[®] XP SP3
- recommended Windows[®] 7

Processor:

- Minimum Intel[®] Pentium[®] 4, 2,5 GHz
- recommended Intel[®] Core[™] 2 or
- AMD Athlon[™] 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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