SMS Probe for HP BAC© and HP SiteScope©

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ICT SOLUTIONS & CONSULTING

SMS Probe extends HP Business Availability Center (BAC) & HP SiteScope (SiS) with end-to-end SMS service testing and monitoring capabilities. SMS Probe simulates end-users sending and receiving Short Messages over the air and delivers detailed performance data to SiS and BAC. SMS Probe integrates seamlessly with HP BAC & HP SiS.

SMS Probe has been designed to supply network operators, service providers and MVNOs with a highly functional and reliable tool to monitor and analyze the quality and performance of SMS services from an end-user's point-of-view.

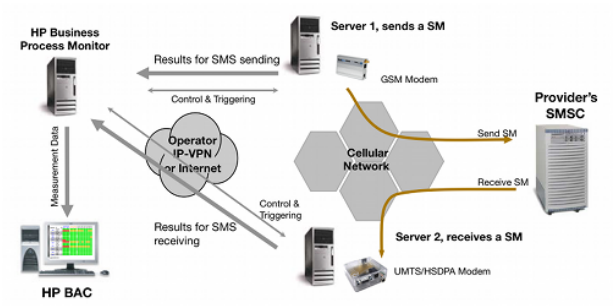
Compared to traditional solutions it follows a new implementation approach allowing for best-in-class reliability and performance, even geographical distributed environements. As a probe application for HP BAC and HP SiS, SMS Probe enables mobile network operators, service providers and MVNOs to monitor SMS services end-2-end using an industry standard performance management system. This avoids expenditures by running separate systems or integrating non-standard systems into their performance management environments.

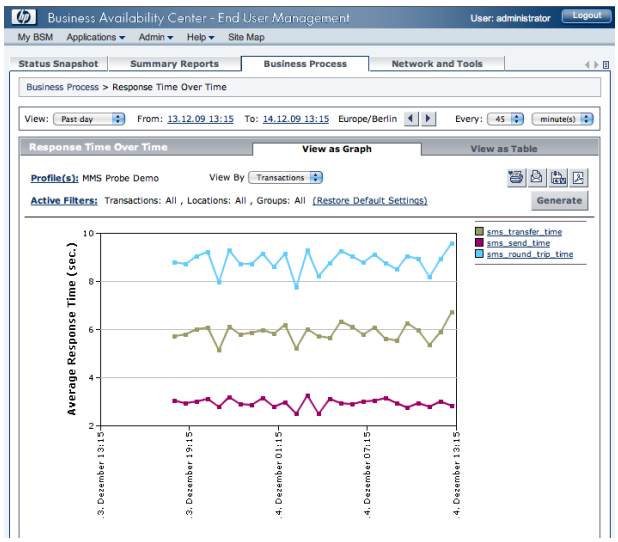
SMS Probe comes as a full service package including consulting, installation, support and software maintenance.

Features

- Monitoring of availability and performance of SMS services
- Monitoring of roaming and competitor interconnections
- Monitoring of SMS info services
- Monitoring of SMS to E-Mail interconnection
- Monitoring of SMS to and from Large Accounts (SMPP 3.4)
- GSM and UMTS bearer support
- SMS content check
- Remote configuration via web interface

SMS Probe gathers availability and performance data by periodically sending and receiving short messages (SMs) to and from an SMSC, usually over the air.





Upon reception of a test SM, the round trip time is calculated and logged to HP SiS or HP BAC along with other transaction data.

The measurement data can be instantly displayed on the dashboards of the systems and may serve as input for SLA and KPI calculations, alarming, and reporting.

Critical system states – e.g. SMSC or interconnection failures – as well as KPI/SLA violations are detected in time and can be reported to the Network-Management-Center using standard reporting and alarming functions. This allows to detect and react on performance issues or incidents in time and helps to avoid revenue loss due to service unavailability.

Supported systems:

- Windows 2000 Pro, 2000 Server, XP Pro, 2003 Server, Linux version 2.6 and higher.
- HP Business Availability Center, HP Business Process Monitor, HP SiteScope.
- Supported GPRS modem (Cinterion module based modems) or supported UMTS modem (e.g. Cinterion HC25, ADVENAGE High Density Modem Server).

Additional information:
e-mail: sales@advenage.com
web: http://www.advenage.com/

HP Software
Silver Business Partner

ADVENAGE GmbH
Blumenhagenstr. 10
D-30167 Hannover, Germany

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