

Voice Group Probe for HP OpenView Internet Services®

Voice Group Probe extends HP OpenView Internet Services with testing and monitoring capabilities for calling groups. Voice Group Probe simulates cellular voice service end-users initiating voice calls and delivers detailed performance data to the OVIS server. Voice Group Probe integrates seamlessly with HP OVIS and other OpenView products.

Even if data services are becoming more and more important for GSM and UMTS network providers, service providers and MVNOs around the world, Voice services are still making up the major part of their revenues. Therefore accessibility, retainability and integrity of this service is crucial.

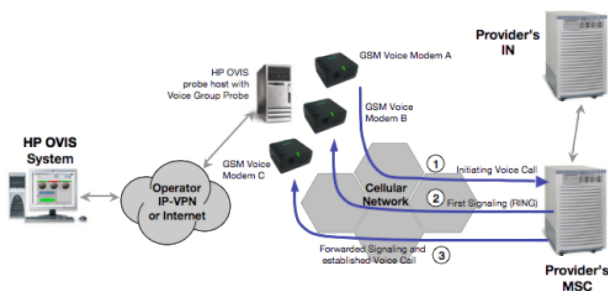
Besides the standard two-peer mobile-to-mobile call, Mobile Network Operators offer IN-based services for calling groups. A calling group is a set of mobile stations sharing an additional common MSISDN. A call to this group MSISDN will be passed to the first member of the group and - if it is not answered within a certain time - will be forwarded to the next member. User of this service could be e.g. service operators, sales personnel or doctors. It is essential for these customers that the call forwarding takes place exactly as defined.

As a probe plug-in for HP OpenView Internet Services, Voice Group Probe enables mobile network operators, service providers and MVNOs to run voice calling group service performance monitoring using an industry standard performance management system. This avoids expenditures by running separate OSS systems or integrating non-standard systems into their performance management environments.

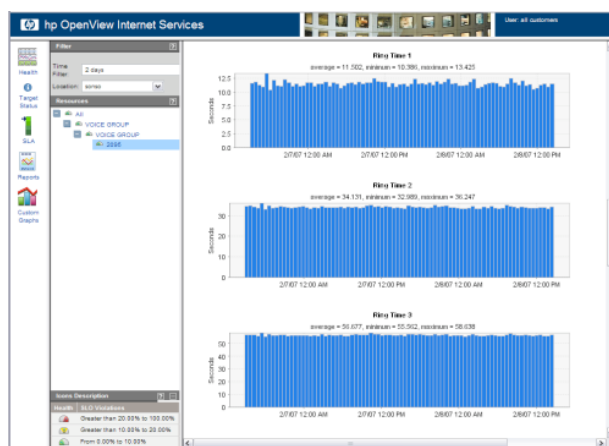
Voice Group Probe comes as a full service package including consulting, installation, support and software maintenance.

Features

- Test of voice call forwarding mobile-to-mobile
- Measurement of forwarding time
- Calling line identifier check
- Twin and multi card test



Voice Group Probe gathers availability and performance data by periodically initiating voice calls between up to 5 GSM mobile stations (Cellular Modems connected to the probe station) belonging to the same calling group, measuring the forwarding time to each modem, answering the call with the last modem in the chain, keeping it open for some seconds and hanging up.



Measurement results collected by Voice Group Probe include availability, setup time, response time, up to 4 ring times, call duration, hang-up time, CLI check result and radio signal strength. Measurement results are transferred to HP OVIS immediately after the probe run is finalized.

Critical system states – e.g. MSC or interconnection failures – as well as SLA violations are detected in time and can be reported to the Network-Management-Center using standard HP OVIS reporting and alarming functions. This allows reacting quickly on performance bottlenecks and system failures and helps reducing revenue loss due to system unavailability.

System requirements

- Windows 2000 Pro, 2000 Server, XP Pro, 2003 Server
- HP OVIS 6.x
- GSM modem (Siemens MC35i serial port, Audiotel Modem USB, Multitech Multimodem EDGE USB)

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