

Agama Embedded Monitoring

Overall architecture

The Agama Embedded Monitoring solution integrates CPE end points with the Agama IPTV Monitoring system for true end-to-end monitoring.

The system consists of three major parts: a module for the Agama Enterprise Server, Aggregation Servers communicating with the end points and the Embedded Probe software residing in the CPE.

The Enterprise Server module provides the user interface.

The Aggregation Server collects the monitoring information from the end points using an Agama software module, the Embedded Monitoring Probe.

Enterprise server module specifications

- Add on module for the Agama IPTV Monitoring solution
- Near real-time view of delivered quality to all end points or specific end point
- View historic delivered quality to all or specific end point
- Data mining capability finds worst quality end-points for proactive customer care
- SNMP alarm capability (requires Alarm module in

Enterprise Server)

- Grouping concept allows subset of end points to be viewed
- Near real-time view of VoD quality statistics for all end points or specific end point (optional)
- External API to configure end point grouping
- External API to extract quality reports for specific endpoint, group of endpoints or all endpoints
- Supports multiple Aggregation Servers for large deployments

Aggregation server specifications

- Handles up to 20.000 end points depending on simultaneous nodes licenses
- Communications protocol designed for low bandwidth use

Embedded Monitoring Probe Specifications

- Continuous Monitoring of service quality: packet loss, buffer errors and loss of service
- MPEG-2 and MPEG-4/AVC support
- Optional VoD support: stream quality statistics as well as session errors collected
- Optional Market statistics module
- Built for CPE environment (portable with low memory footprint)

- Integration project required for specific CPE which is not pre-integrated

System requirements

Agama Embedded Monitoring is a part of the Agama IPTV Monitoring Solution and requires the Agama Enterprise Server and compatible CPEs.

Aggregation server requirements:

- Linux Operating system (SuSE 10, RedHat Enterprise Linux 4,5, Fedora Core 6, Fedora 7)
- Intel x86 or compatible. Recommended Dual Xeon/Dual Opteron
- 2 GB RAM
- One or more network interfaces. Recommended: Gigabit Ethernet copper/fibre
- 76 GB free hard disk, SAS/SCSI

© Copyright 2008 Agama Technologies AB. All rights reserved.

Specifications are subject to change without prior notice. All trademarks and registered trademarks are the property of their respective owners.

About Agama

Agama Technologies provides DTV and broadband operators, telcos and other service providers with solutions and products enabling reliable and cost effective TV services. The Agama DTV product line is a complete and distributed solution for real-time 24/7 TV monitoring. The solution enables operators to minimize opex and churn by having full control of delivered quality and shorten time to fix.

Agama Technologies AB
Box 602
SE 581 07 Linköping, Sweden

Telephone: +46 13 310 040
Fax: +46 13 240 331

General inquiries: info@agama.tv
Sales inquiries: sales@agama.tv