Enterprise Integrity Management

Product Overview

**HKM Consulting**

EIM - Enterprise Integrity Management

Product Overview

Thank you for your interest in our Enterprise Integrity Management solution. The following brief overview offers help about using the EIM console in your network. The solution is able to detect changes on data (create, delete, open, modify, rename, copy, move, ...) and report this events to the main server.
Events can be reacted by activities like, sending a notification, sending eMails, executing a script or start an application, send a network message, send a SMS or send a SNMP trap action, ...

Typical Installation (Console Main Install):

Every integration has a monitoring service installed on a Windows Server or Workstation. This monitoring service will monitor the drives in the server it is installed on.

... sends alerts   ... logs access to a database   ... generates reports
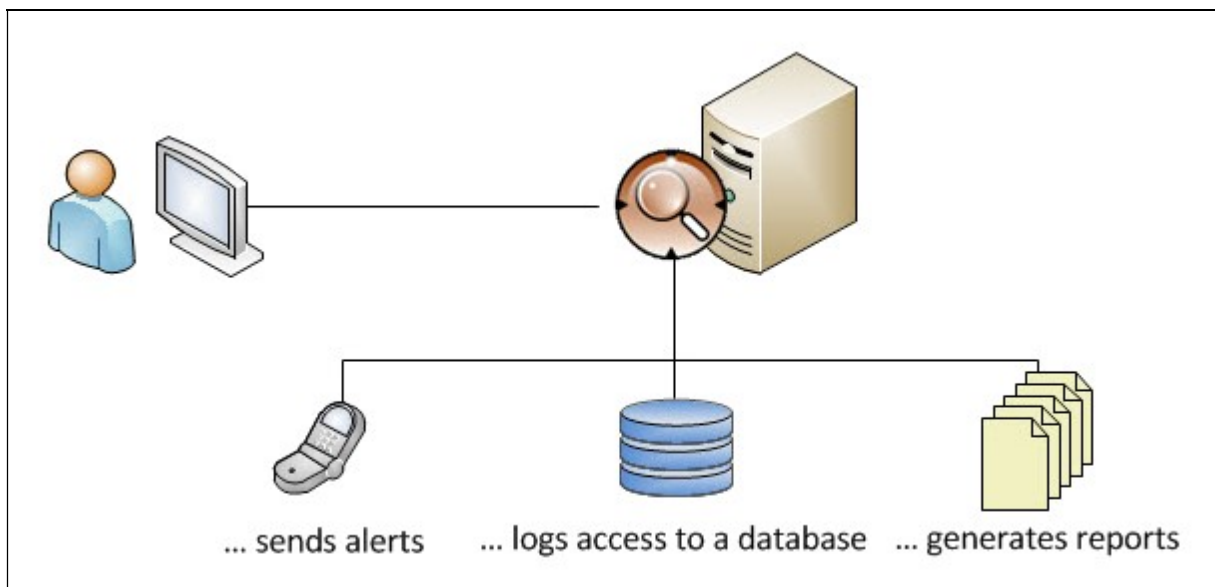
Picture 1: EIM Console

The installation will also include a Console GUI application for working with and configuring the monitoring service.

For further details on server performance and operation system see the Enterprise Integrity Management - System Requirements.

Integration Methods:

Two possible integrations are available. The first is based on distributed network capabilities where data is iteratively replicated via scripts to the main server. The detection is done on so-called instances.
The other type of integration is based on centralized network capabilities. Every sub-server collects data and corresponds to the main server.
Both methods can be used separately or combined in your company Network. In addition, both methods can be combined across multiple layers.

EIM Service Network - Distributed Capabilities:

The integration with distributed capabilities provides so-called instances established at the main server. Observed data is iteratively replicated via scripts to this server. This method allows an agent-less server environment and provides minimum impact while data is replicated only when modified.
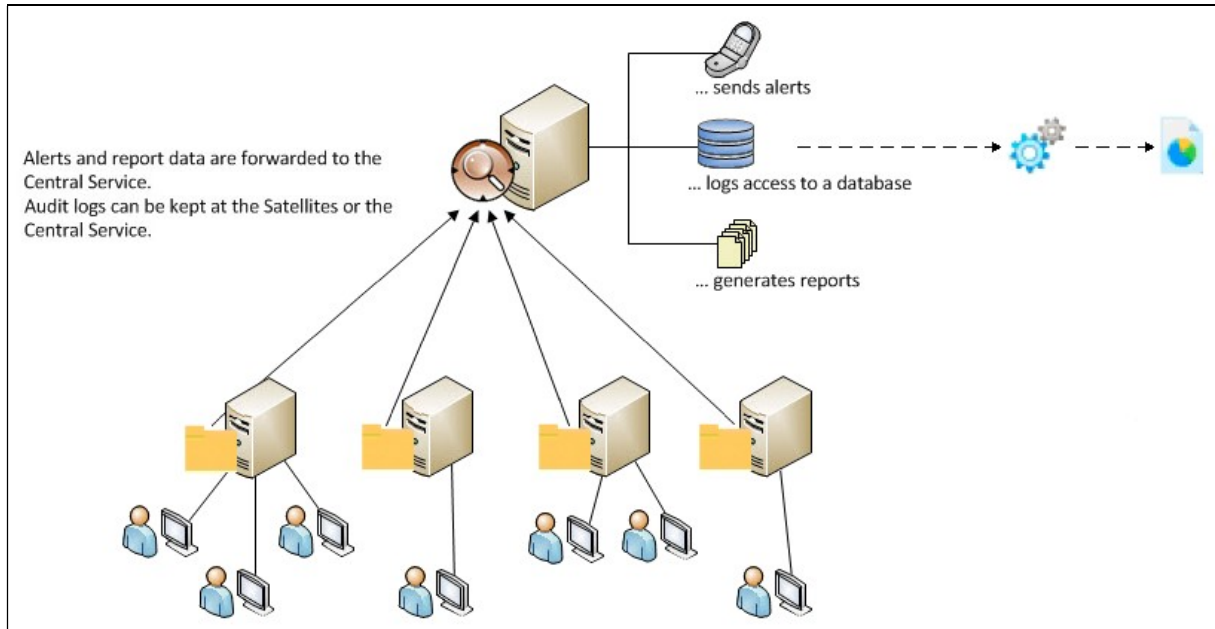

Picture 2: EIM Service Network - Distributed Capabilities

This topology is agent-less for the monitored servers. The data will be mapped or is replicated via rsync or robocopy and can be used for UNIX, Linux, macOS, OS/2 and Windows systems.

EIM Service Network - Centralized Capabilities:

In addition to monitoring drives on the local server, the current version of EIM is now able to also manage the monitoring of remote servers, including across the Internet without needing a VPN. This is accomplished by installing a Satellite Monitoring Service on additional servers or workstations. The Satellite will monitor itself (the server it is installed on). Alerts and monitoring data will be sent back to the Central Monitoring Service via SSL-encrypted HTTP.

This topology is agent-based for the monitored servers.
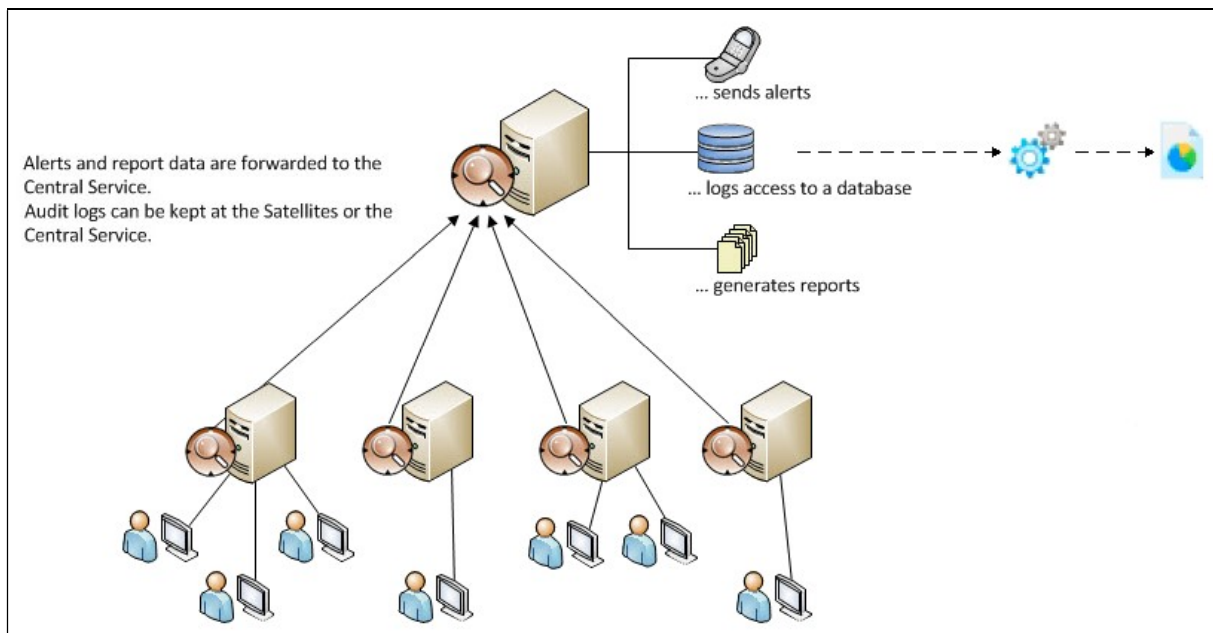
Picture 3: EIM Service Network - Centralized Capabilities

Technical Blueprint:
- The solution does scale on a very wide range and is able to be cascaded
- The system typically runs agent-free; only real-time usage requires an endpoint agent
- The system is OS-agnostic (Windows, UNIX and Linux), can be established at physical or virtual platforms and interacts with NAS & SAN storage systems
- The solution does not negatively effect the system performance
- The solution is capable to interact with all file systems
- The system is designed to detect file modifications, but is also able to sensor manipulations at database tables
- The solution is able to detect manipulations at embedded systems

Business Advantages:

- flexible, highly scalable & centralized management overview via dashboard
- seamless integrated in incident platforms / systems and corporate reporting.
- immediate & centralized notification of alerts of all configuration changes
- last security barrier for files & parameters
- transparency of global big-data pool
- separation of unused & unneeded files
- differs between desired & undesired file changes
- transparent software detection and immediate alert of all configuration changes (pre-change / post-change configuration)
- enterprise integrity through entire life-cycle for all observed systems

EIM Service Network - Distributed Capabilities and Centralized Capabilities:

As mentioned before both methods can also used in a combined approach in a company network. The combination a be at the same level as well combined across multiple layers.
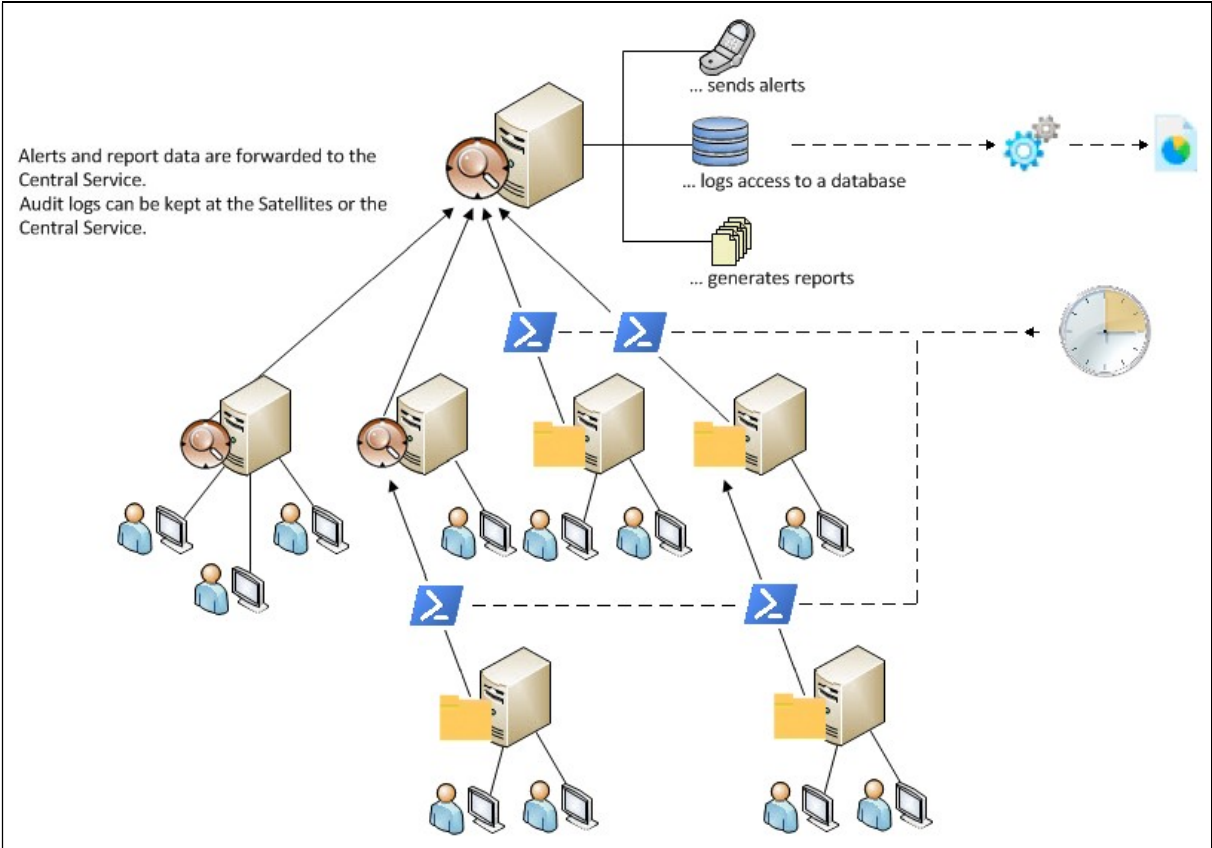
Picture 4: EIM Service Network - Distributed Capabilities and Centralized Capabilities at the same and across multiple layers

The structure can be as complex as the problem that needs to be solved.

Please contact your sales and consulting representative to work out you best integration type and pricing.