



Managing complex Enterprise Transaction Messaging environments (on-prem, cloud, or hybrid cloud) is a challenge. Given current economic conditions, expanding infrastructures and limited resources, it is vital for organizations to adopt solutions that will empower them to be proactive, efficient and accountable. These solutions must allow organizations to leverage more of their staff through collaborative means. Business units rarely have access to the required information, nor have the platform specific expertise necessary to make quick and accurate decisions. They must rely on other business units in order to diagnose problems and take corrective actions. Complicating matters are compliance laws that often restrict staff from the problem details. As a result, organizations struggle to make adjustments to resolve problems in a timely manner.

Organizations need an easily accessible solution that will empower their entire staff and simplify management of their Enterprise Messaging infrastructure. The solution must provide secure access with delegated visibility and control to business units, whether administrators, support, or application personnel. This allows those business units to collaborate on problems and take quick and decisive corrective action. However, it is important to restrict actions *only* to objects for which they have been approved access. It is also important to automate as many administration services as possible in order to prevent duplication of effort across various business units.

Infrared360 solves these problems for about 1/2 the cost of legacy products.

The Infrared360™ Solution

Infrared360 is a comprehensive solution for administration, monitoring, load testing, auditing, resolution automation, self-service, and statistical reporting (*historical & real-time*) of Enterprise middleware environments all under one security model. With its pioneering innovation to provide secure delegated visibility (*trusted spaces*) to IBM MQ, TibcoEMS, IBM ACE (formerly Broker or IIB), WebSphere Application Server, JBoss, Tomcat, WebLogic, DataPower, and *Kafka, you can leverage your staff by allowing lines of business to have select visibility and entitlements to your enterprise middleware infrastructure; the advantage of secure Self-Service.

The solution is **100% Agentless**. There is no deployment to managed servers. Infrared360 has a **built in web services, and REST engine** which enables teams to leverage their initiatives (to your organization's internal to external services) which further facilitates the portal.

Gain Visibility and Control

Infrared360 organizes Enterprise Middleware environments into logical partitions for accessibility and visibility. Users are assigned visibility to specific queue managers, queues, channels, processes, brokers, topics, message flows, and servers where they can view transactions, make configuration changes, generate transactions, leverage pre-defined test cases, receive alerts and schedule automated administrative services. Additionally, administrators can change assignments or give additional visibility to server objects with just a couple clicks.

*Kafka (currently in beta)

What is Agentless Middleware Management & Monitoring?

- Remote Administration & Monitoring without an agent
- Management & monitoring via standard protocols and logins



Control User Access and Visibility

Typical ID and password scenarios *restrict* access to middleware platforms like IBM MQ, IBM IIB, and/or Application servers. To bypass this issue, many organizations either grant users access to the entire environment or lock it down completely, instead of restricting visibility to *just* the objects the line of business needs to manage. To address this issue, Infrared360 grants users access to all platforms based on their predefined collections (group of objects) and roles (permissions). Users work within their 'trusted space'; each receiving a compartmentalized view and associated rights to only what is relevant to their particular responsibilities. Infrared360 also preserves an audit trail of user sessions and actions (changes) to the managed endpoints.

Leverage Corporate Security

Infrared360 can leverage LDAP or Active Directory, enabling companies to leverage their corporate user authentication repositories; and SSO solutions. Infrared360 facilitates quick visual organization of a user's favorite middleware resources based on application flow, geography, or platform. Users can simply bookmark objects and create a *favorites* view. This eliminates the need to "climb trees" using windows explorer type tools across hundreds / thousands of objects. Instead, users can simply click on a link to see a total view of what they want, On Demand.

Send Customized Alerts

Infrared360 can send alerts to specific staff members within Operational Support, Administration or Lines of Business. With Infrared360, users can receive customized alerts based on their specific job responsibilities. Alert notification can utilize Email or leverage 3rd party enterprise consoles such as Service Now HP-Openview, Netcool and more.

Transaction Load Testing

Infrared360's testing component generates transactions for application and infrastructure testing scenarios. Any combination of standard messaging headers (even custom headers) are configurable. Moreover, any data source can be associated with those headers. This data can reside in flat files, databases, other queues, or even from a proprietary program or script. With Infrared360, messages are stored as test cases for future reuse in volume testing, regression testing, historical review, auditing, or as control specimens. Test cases can also be scheduled to run any number of times to any number of destinations to validate routing and target applications. This feature *greatly* simplifies testing of message routing rules.

Avada Software – Simple Access to Important Data

Avada Software continually strives to deliver best-of-breed products to complement and enhance efficiency and cost effectiveness for its customers and to provide innovative solutions that address their business needs. See how easy it can be to manage your middleware environment with a free demo or evaluation:

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Intuitive User Interface

Infrared360's user interface allows users to locate critical data in seconds. With its patent-pending search bar technology, time-consuming navigation through explorer trees is eliminated. In addition, any combination of server objects can be customized into specific user views and bookmarked for future use.

Standards Based, Secure, Reliable

Infrared360 operates on open standards such as J2EE, XML, JSON, SOAP and REST. The solution can be deployed on J2EE-compliant application servers such as Tomcat™. Infrared360 is Linux ®-certified, and can support third-party LDAP and database repositories.

Features at a Glance

- *Leverages external services via services oriented architecture (SOA, REST)*
- *100% browser based*
- *Private cloud / hybrid cloud enabled*
- *Offers agentless technology, which eliminates the need for deployment intensive agent software*
- *Integrated LDAP support*
- *Leverages standard database repositories, such as DB2, Oracle®, SQLServer, and MySQL*
- *Runs on application servers such as Tomcat (Servlet engine)*
- *Provides a simple way to locate middleware objects with its unique search bar technology*
- *Allows users to search all of their queues or topics for transactions containing specific data content*
- *Provides complete audit trails for all user changes*
- *Supplies automated services that can be scheduled to backup Qmgr definitions, clone middleware objects, start processes, or even initiate services in reaction to an alert condition*
- *Offers an XML-based rules engine to facilitate compound logic to determine why, when, and where problems occur; alerts are sent or services are triggered in response*
- *Flexible collection and statistical reporting of transactional environment. Helps with SLA reporting!*
- *Inventory reports of middleware environments*
- *The power of One middleware management portal for use across distributed systems and teams*