

SOLUTION OVERVIEW

Ecosystem Integration for the Internet of Things

Integrating operational data with enterprise systems

from numerous
structured and
unstructured sources

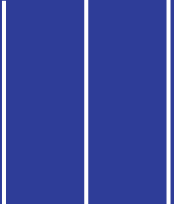
**Ingests and publishes
data** to and from third-
party data stores and
enterprise systems

Extends
IoT-sourced data

Harnesses the power
of the digital twin

The benefits gained from the Internet of Things (IoT) are easily and widely recognized. In a recent McKinsey survey, 65 percent of executives stated that IoT provided significant insights. Realizing these benefits requires integrating and extending data beyond its original systems. Interoperability and secure information sharing between all people, systems, and things creates competitive advantages across all aspects of business, from customer experience and supply chain to distribution and internal operations.

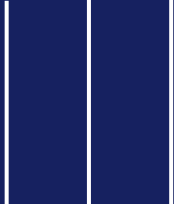
Secure Device
Management for IoT



Ecosystem
Integration for IoT



IoT Analytics for IoT



Ecosystem Integration components

Messaging and orchestration services offers a robust and scalable way to manage enterprise integrations

Enterprise adapters	Ingests and publishes data to and from third-party data stores and enterprise systems and integrates with third-party web services
Pub-sub engine	Realtime messaging service for publishing and subscribing to events, as well as exchanging messages
Trading partner management	Configures and manages collaborating entities, with the ability to logically separate message traffic and establish messaging privileges
File management	Manage files with SCOUT for agent-based file transfers with external sites, API-based file transfers, Messaging Hub (up to 10 MB) and Enterprise Message Bus (for EDI files)
Audit and traceability	View messages, metadata, routing and control information, before and after transformations, command acknowledgements, detailed timestamps for all processing steps and trace failed messages
Monitoring, metering and throttling	Configure failure monitoring, with policies based on message type and priority

Ecosystem Integration components

Synchronize and consolidate information across applications and sources

Event source hub	Pub-sub model for app-to-app data synchronization, where a change triggers an event and subscribers receive the latest data
Authorization policy framework	This security layer acts as the gatekeeper for access to protected resources
Provisioning	Syndicates user, application and device profiles, as well as authorizations across the digital ecosystem
Composite service creation	Custom App Protocol Service (CAPS), along-with an orchestration engine, enables the creation of composite services
API security and syndication	Allows enterprises to create and manage APIs once and then syndicates them into various internal and external developer communities, each with their own branding, licensing, security and other localized attributes

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