



DeviceMaestro® Smart™ Server 4.0

DeviceMaestro® Smart™ is an open, standards-based, scalable and flexible application that enables an organization to implement its IoT strategy, starting from basic device monitoring, to performing business analytics, implementing service management and eventually business transformation. OEMs and Service Providers can seamlessly integrate DeviceMaestro Smart, with their connected devices, applications and businesses, gain valuable business insights, drive better business outcomes and provide a richer, complete customer experience.

DeviceMaestro Smart Server is the core component of DeviceMaestro Smart and forms the heart of the IoT app.

Client-Server Architecture

- Based on a versatile, scalable client-server based architecture
- Manages multiple devices through individual embedded DeviceMaestro Smart Embedded Client or aggregated through DeviceMaestro Smart Client Proxy
- Interfaces with DeviceMaestro Smart Management Console

Interoperable

- Integrates 120+ business applications such as SAP®, Siebel®, PeopleSoft®, Salesforce.com®, Oracle®, Sybase®, LinkedIn®, Twitter®, etc., with pre-built connectors¹
- Integrates with industry leading data analytics software such as Datameer®, Qlik® and Jaspersoft™
- Integrates with legacy applications¹
- REST APIs for programmatic integration with external applications
- Flexible architecture to support different proprietary and standards-based communication protocols (as they evolve)
- Uses open, industry and de facto standards such as MQTT, CoAP, CWMP and HTTP

Multi-vendor Device Support²

- Manages different predefined and custom defined¹ device classes
- Manages multiple devices in a supported device class

Big Data Support

- Designed for massively scalable databases
- Stores terabytes or petabytes of data, while maintaining industry leading write and read performance
- Supports time-series data management, high-velocity device data ingestion and analysis, real-time data analytics

Flexible Database Architecture

- Flexible, dynamic schema data modeling
- Stores structured, semi-structured, and unstructured data
- Dynamically stores data as needed without performance penalty for changes that occur

Secure Environment

- HTTPS, encrypted SSL communication for data exchange with client and console
- Authentication of devices, users and field gateways
- OAuth-based validation for applications
- Multi-tenanted database support for different customers/partners

Ready to Deploy

- Predefined device classes
- Prebuilt application connectors¹
- Easy addition of new device classes¹
- Installation within premise or on the cloud
- Multi-tenant support for different customers/partners

Scalable Solution

- Supports independent scaling of workloads for core services, application workflows and database
- Supports handling of 10,000 updates per minute at minimum configuration and scales linearly for high velocity data aggregation
- Communicates with a disparate collection of system components, without necessarily knowing the details of those components
- Supports addition of new device classes
- Supports increasing device counts, databases, customers/partners

Highly Available & Reliable

- Supports load balancing mechanisms for distributed processing
- Fault tolerant architecture and active-active server clustering configuration to assure high availability of data and services
- Supports deployment with disaster recovery options for business continuity

Powerful Administrative Controls

- Update new releases within minutes and with zero down time
- Comprehensive monitoring and reporting of system health. Live dashboard views to gain system-wide visibility into resource utilization, application performance and operational health
- Configurable alarms and system generated alerts to assist in early identification, prevention and/or resolution of system issues

Comprehensive Support

- Software updates for bug fixes and feature enhancements
- Technical support
- Professional services for customization and integration

¹ Requires Thinxstream Professional Services

² Based on Thinxstream license

For further information on DeviceMaestro Smart please visit:

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