FUSION

Fusion X, Digital Infinity

FusionOne Center

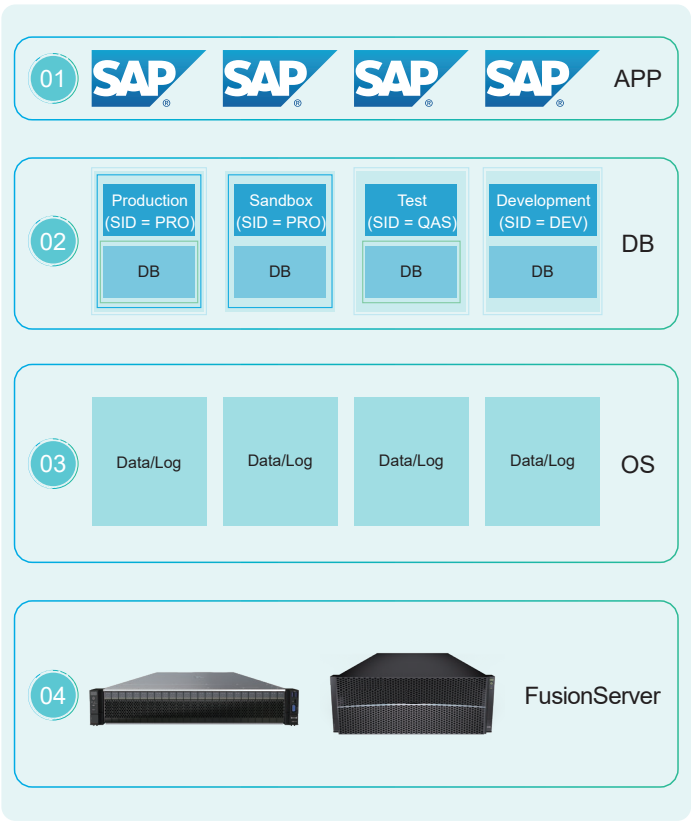
1 rend/Challenge

Core business data of an enterprise is running on databases. There are some problems in the industry, such as insufficient management capability of database O&M, lack of fault prewarning and alarm capability, and slow processing of after-sales problems in using databases. When there are a large number of deployments, the O&M efficiency of the data center is quite low, and the O&M personnel are overwhelmed. Intelligent operation software which realizes real-time automatic monitoring of business and database operation status, improves O&M efficiency and reduces OPEX. It has become an important guarantee for enterprises to use database system efficiently.

2 Product Overview

FusionOne Center is positioned as the lifecycle intelligent O&M management software of systems and databases. It can manage the systems deployed on servers, integrate the experience of DBA experts, monitor the operating status of the main-stream database systems in the industry in real time, and give prewarning and alarms on an intuitive GUI. FusionOne Center improves customer's efficiency in operation, management, and maintenance of systems and databases with its RAS prevention, alarm, efficiency improvement, and other features.

FusionOne Center is easy to operate and can be widely used in ERP/CRM/SRM/Data Warehouse and other fields to efficiently support customers' operation, management, and maintenance of servers at all stages of the lifecycle. It improves O&M quality and reduces O&M cost.

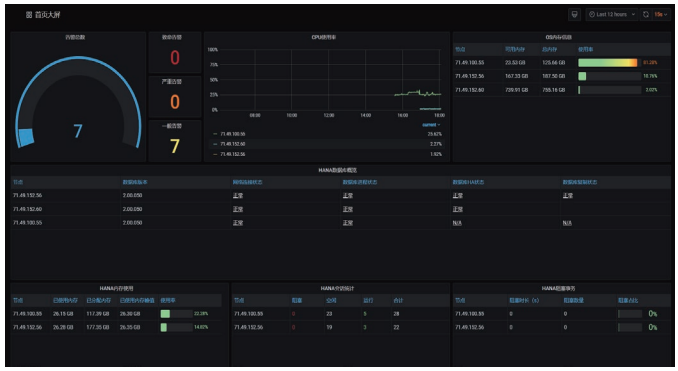


- Improves the intelligence of real-time data analysis and calculation.
- Makes the HANA service system more stable and stronger.
- Reduces the management difficulty of the HANA service system.
- Reduces customers' system deployment costs.
- Improves accessibility of HANA tools.
- Increases service automation efficiency by 8 times.

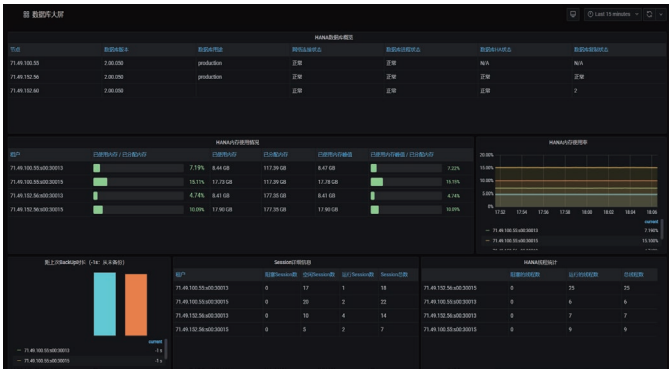
3 Critical Features

3.1 Intelligent Monitoring

The FusionOne Center is displayed in three screens (home screen, database screen, and OS screen).
The home screen displays key metrics of the SAP HANA system.



Home screen



Database screen

OS screen

3.2 Intelligent Metrics Monitoring and Prewarning

360 degree operation status monitoring can predict faults in advance, quickly diagnose the root cause of faults and shorten business interruption.

System monitoring

Number of CPU cores, CPU usage, drive capacity, drive usage, network traffic and network connections, file descriptor, and drive read/write rate.

System monitoring

HA status, SR status, memory usage, thread status, poor performance SQL, slow transaction, session informa-

Alerts

DBA experience base, prewarning of abnormal detection.

Screen display

Collect monitoring data periodically and display it on the dynamic screen.
Clear presentation of device

More than 100 monitoring metrics are built in the FusionOne Center, and the metrics are from:

- Continuous joint innovation with SAP
- Import of BPIT and external large cluster management experience
- Experts' experience
- Analysis, summary and refinement of common problems on the live network

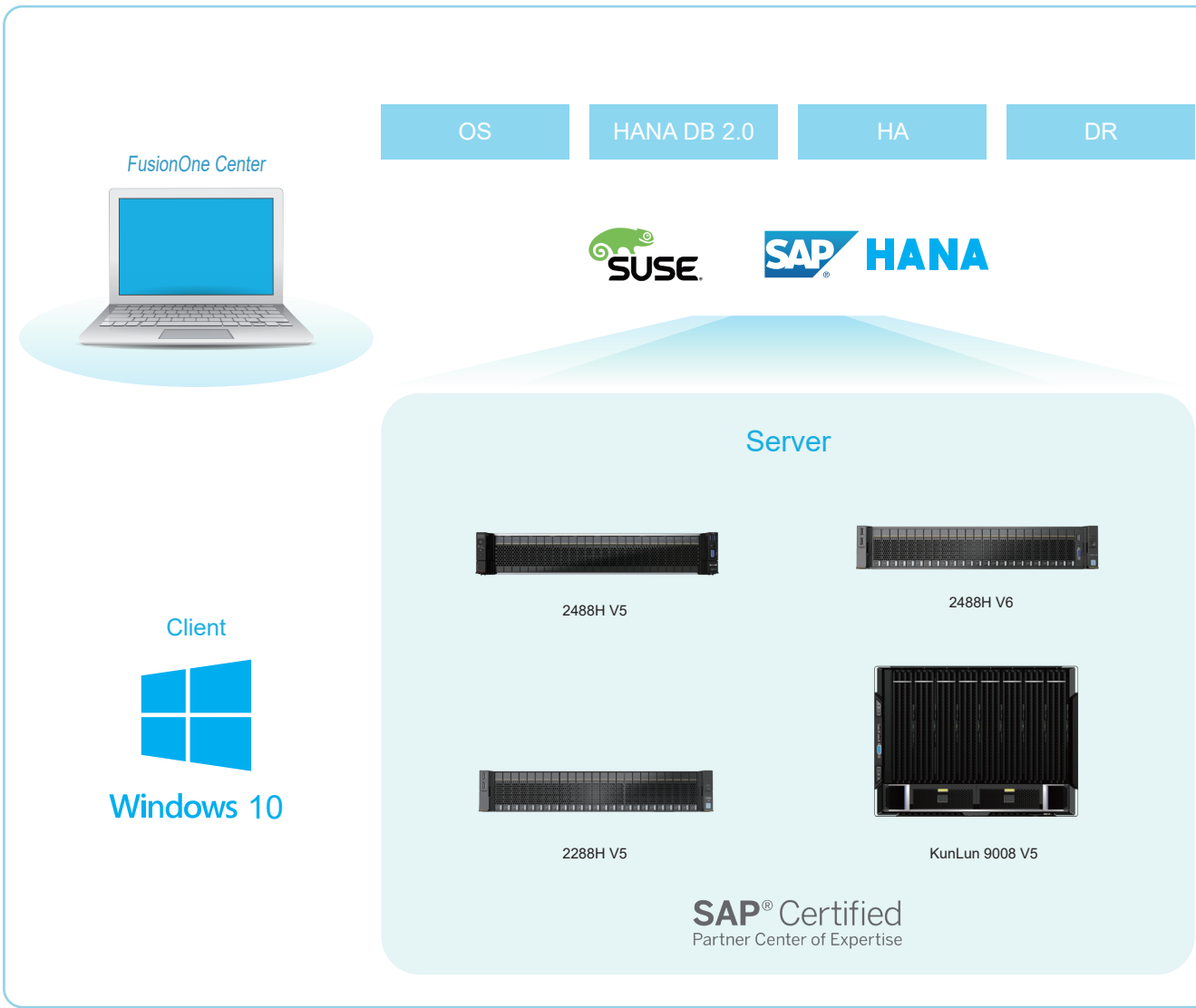
3.3 Intelligent Installation and Deployment

The HANA software, HANA hardware, and OS are deployed automatically. No manual intervention is required.

Simplifies user operations. Customers only need to set the configuration information and click next to start automatic deployment. There is no need for manual intervention until the deployment is completed.

Supports standalone-device and dual-device scenarios, and supports batch installation. Four devices can be deployed simultaneously in standalone-device scenarios, and two sets of HA environments can be deployed simultaneously in dual-device scenarios.

The deployment time is greatly reduced from a few days of manual deployment to 3 hours.



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