

Integrated Operations Management

Job management

Introducing JP1/Automatic Job Management System 3

- Achieving automatic and stable operation of business systems -

Hitachi, Ltd.



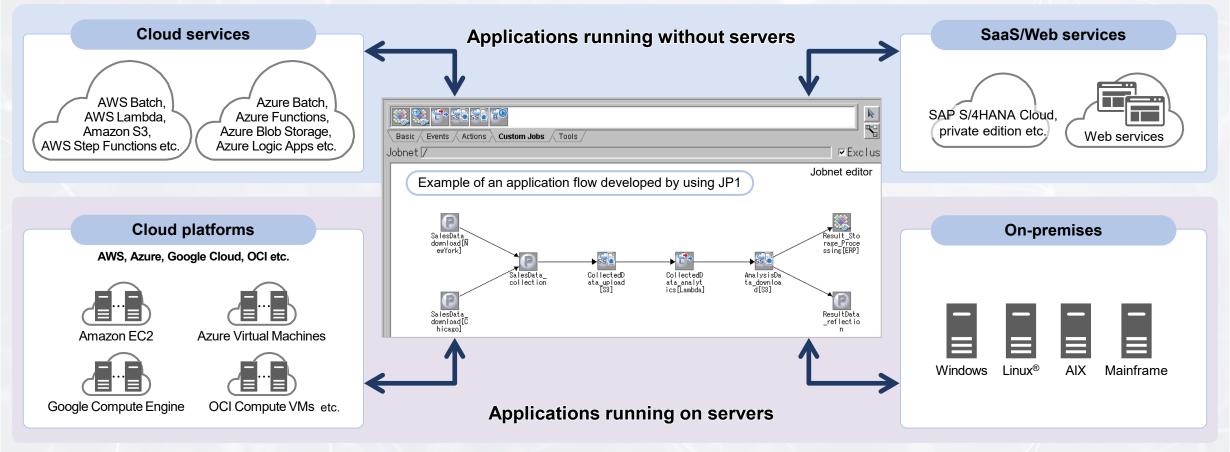
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Overview of JP1/Automatic Job Management System 3



Improve efficiency and save labor in the development and execution of an application flow, and achieve automatic and stable operation of business systems in various environments



Amazon S3: Amazon Simple Storage Service AWS: Amazon Web Services Azure: Microsoft Azure OCI: Oracle Cloud Infrastructure Amazon EC2: Amazon Elastic Compute VMs: Oracle Cloud Infrastructure Compute VMs



What you can do

- What you can do with JP1/Automatic Job Management System 3
- Easily develop complex application flows
- Enable detailed scheduling according to operations
- Connect applications that run in different environments
- Intuitively understand the status of operations
- Visualize operation schedules and results
- Address operation failures in a variety of ways
- Visualize the health of your job management system
- Automate switching of application flows

What you can do with JP1/Automatic Job Management System 3



Develop and execute application flows

- Easily develop complex application flows
- Enable detailed scheduling according to operations
- Connect applications that run in different environments

Increased efficiency

Labor savings

Stable operation

Monitor operations

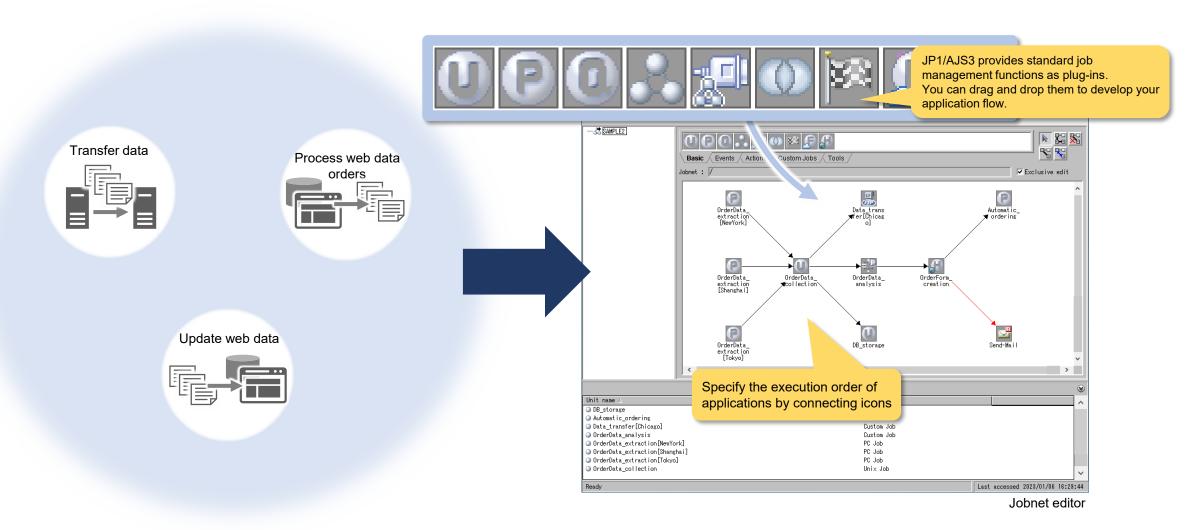
- Intuitively understand the status of operations
- Visualize operation schedules and results
- Address operation failures in a variety of ways

Operate tasks

- Visualize the health of your job management system
- Automate switching of application flows

Develop an application flow to be automated by low-code development

You can use a GUI to define the series of tasks in a complex application flow that you want to automate, and achieve low-code development of the application flow.

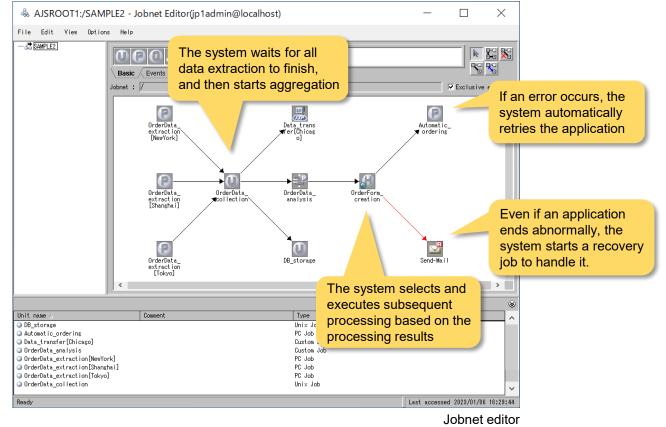




Control application flows that have complex execution conditions

You can easily develop application flows that have complex execution conditions. For example, you can specify that the system must wait for multiple processes to finish before it starts the next process, or the system can switch the next process to be executed depending on the processing results.

Automatically execute processing based on execution conditions such as waiting, branching, normal/error sorting, etc.

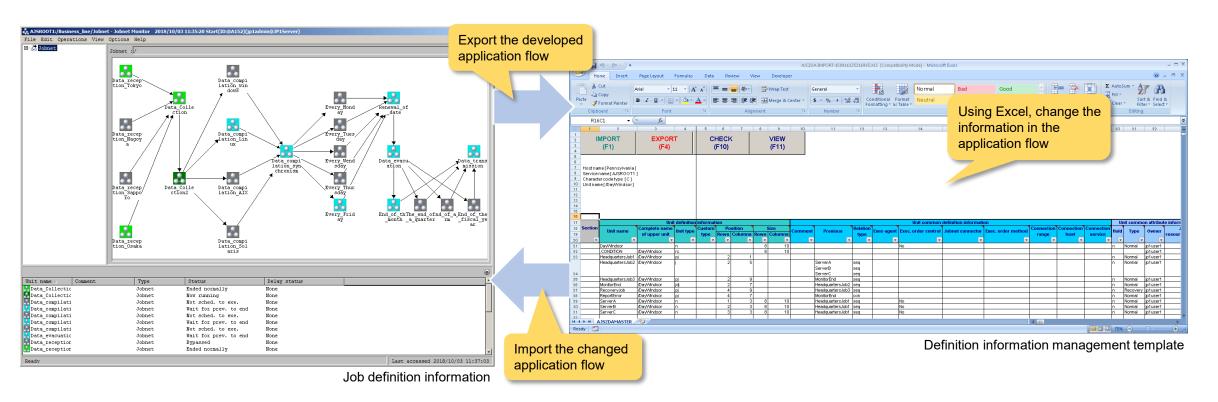


Improve the efficiency of making changes to a complex application flow

After you use a GUI to develop an application flow, you can export it into an Excel file, edit it, and import it.

By adding, modifying, and batch replacing Excel files,

you can streamline the work required to modify an application flow.







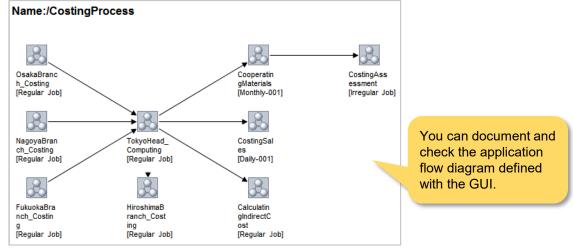
You can automatically generate design documents from an application flow that you defined by using a GUI.

This saves labor when creating development histories and maintenance materials.

Output definition information in list and map formats

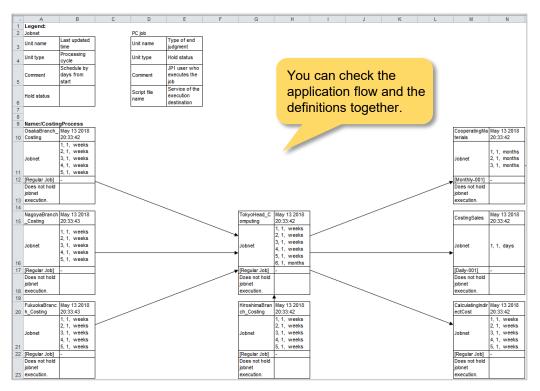
Unit name	Unit type	Script file name		Type of end jument
(1) /Costing_Process	Jobnet	-		-
(2) Factory_Calculation_processing	Jobnet	-	You can check the details of definitions for each unit in a list.	
(3) Consignment_Management	Jobnet	-		
(4) Consignment_Inventory	PC job	C:\mog\H_ITAKUH.SPT		
(2) Overhead_Calculation_Process	Jobnet			
(3) Post-processing_Overhead_Cal	PC job	C:\mog\K_KANSEF.SPT		
(3) Preprocessing_Overhead_Cal	PC job	C:\mog\K_KANSEA.SPT		
(2) Sales_Calculation_Process	Jobnet	-		-
(3) Post-processing of Sales cal	PC job	C:\mog\E EIGYOU.SPT		cod

Output example of a document in jobnet list format



Output example of a document in map format

Output definitions in flow format

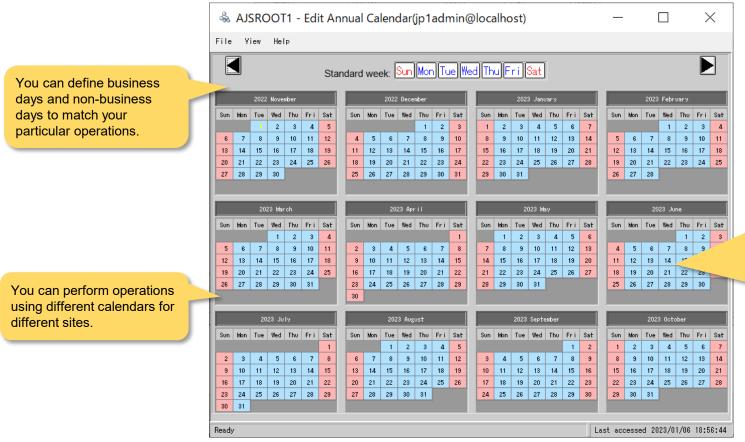


Output example of a document in jobnet flow format



Execute applications according to company calendars and work schedules

Control the execution of applications based on a calendar with business days and non-business days set according to the calendar and work schedule for each site. These include monthly, weekly, or specific day schedules and rescheduling of non-business day schedules.



Example of scheduling the execution date

Execute a job every Wednesday (reschedule for non-business days)

Sun Mon Tue Wed Thu Fri Sat

Reschedule for non-business days

O Adays

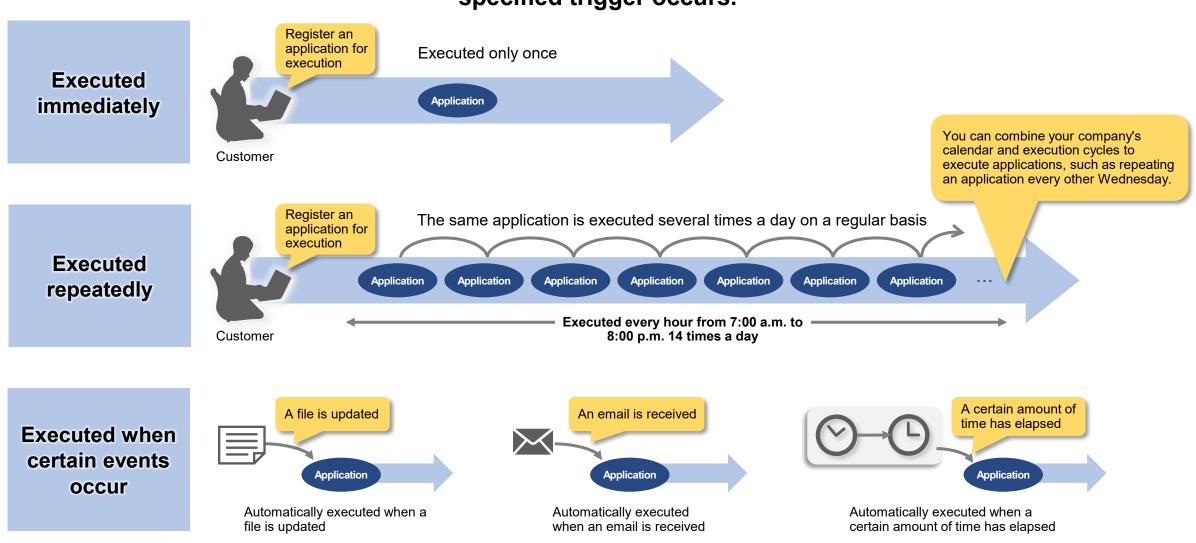
(: Execution date : Business day : Non-business day)

Edit Annual Calendar





There are many patterns of execution triggers, and applications can be executed automatically when a specified trigger occurs.

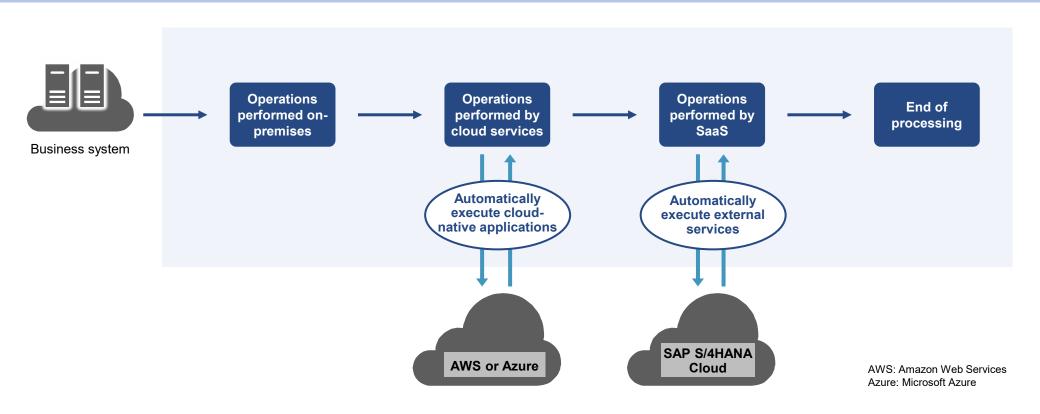


Control the execution of all applications



You can automatically execute applications that are executed on-premises, or you can link with and automatically operate serverless applications executed by cloud services or SaaS.

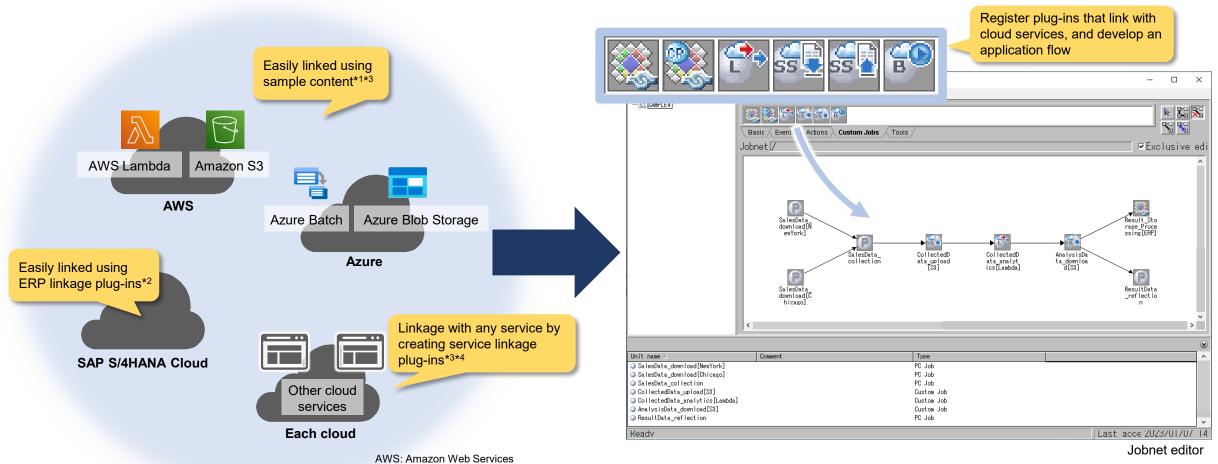
Centrally manage applications executed in various environments



Easily link applications with various cloud services



You can use a GUI to define applications to be executed by cloud services such as AWS and Azure, and easily link applications executed by multiple cloud services.



Amazon S3: Amazon Simple Storage Service

Azure: Microsoft Azure

^{*1} For support service subscribers, we provide service linkage plug-ins as sample content for linking with cloud services.

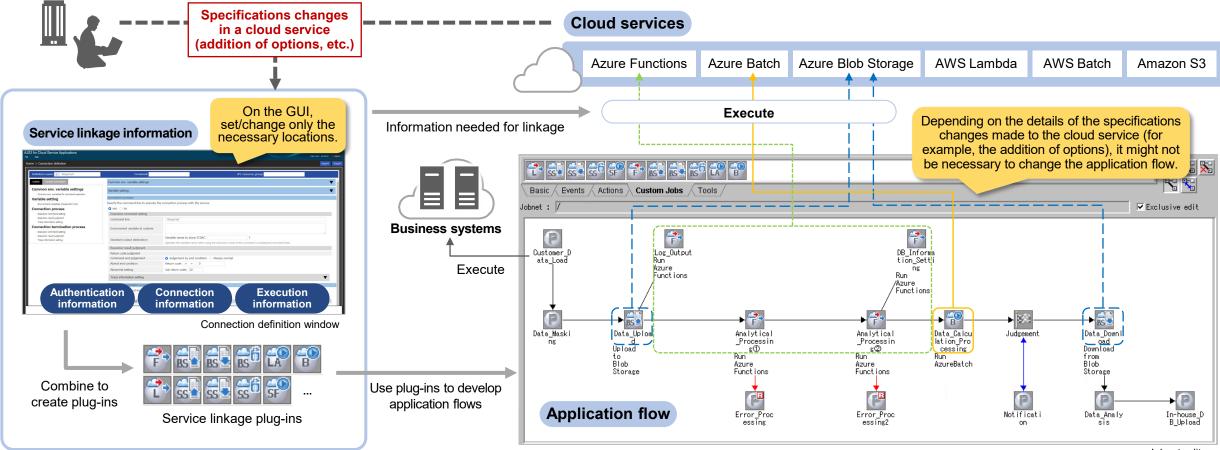
^{*2} Requires JP1/Automatic Job Management System 3 for Enterprise Applications.

^{*3} Requires JP1/Automatic Job Management System 3 for Cloud Service Applications.

^{*4} When linking with any cloud service using service linkage plug-ins, the customer must verify the linkages.

Swiftly respond to specifications changes in cloud services

Separately manage application flows and service linkage information (authentication information, connection information, and execution information). Even if the specifications of a cloud service change, you can still link to that cloud service after implementing the minimum necessary changes.



Jobnet editor

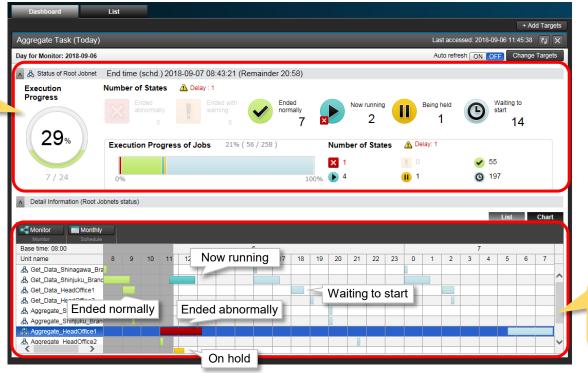


Understand the progress and execution status of your applications

You can check the progress of all applications, the number of executions by status (such as normal ends, abnormal ends, and delays), and the execution status of each application.

Display the status of applications in a single window

Display an overview of all the applications, including their progress, scheduled completion time, and any abnormalities.



Display the execution status of each application using colors

Dashboard





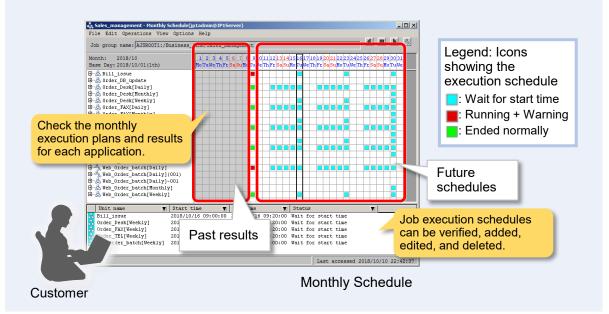
You can check the execution results and schedule of applications on a monthly basis in the monthly schedule.

Monthly schedule:

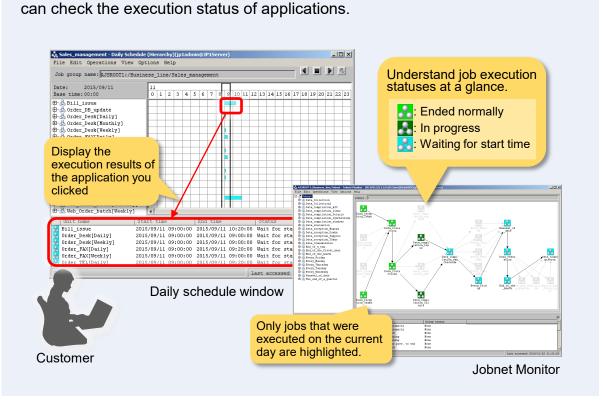
Check the schedules and actual results on a monthly basis

You can check the execution results and execution schedules of all applications in a list.

With one glance, you can check whether the previous day's applications have finished normally and whether there are any errors in the future schedules, together with past results.



Daily schedule: Check the execution status of applications for the current day in real time You can check the status of operations in real time in Gantt chart format. You

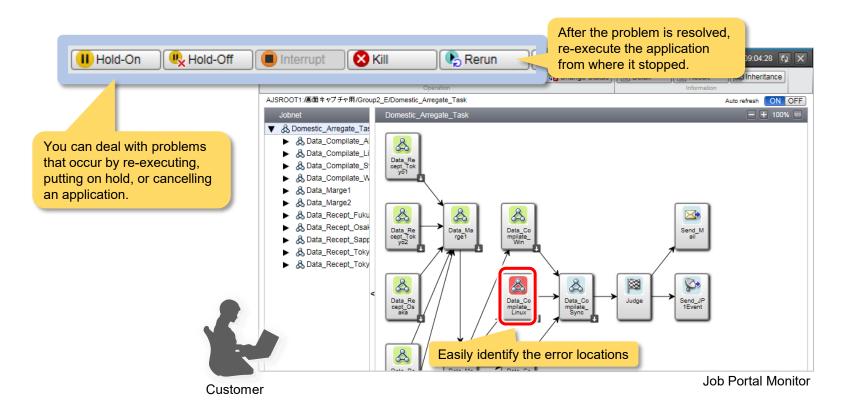




You can easily identify where a problem is occurring, and smoothly take action such as suspending the target application or putting it on hold.

After resolving the problem, you can resume the application from where it was suspended or put on hold.

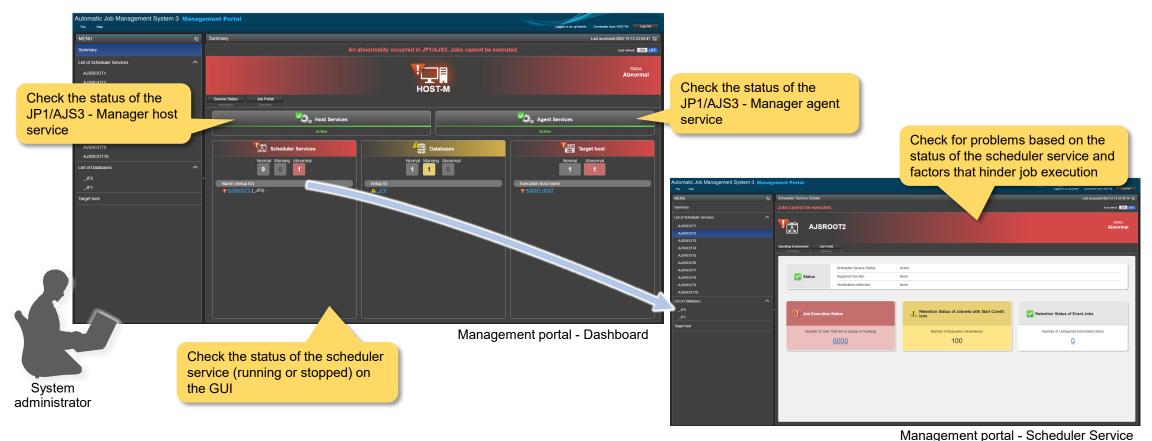
Check the status and suspend, hold, or resume the target applications on the same window





Quickly understand the status of the entire job management system

On a single window, you can centrally monitor the status of the job management system, such as the scheduler service that controls the execution of applications and the database of the job management system. You can check at a glance whether the job management system is working without any problems.



JP1/AJS3 - Manager: JP1/Automatic Job Management System 3 - Manager

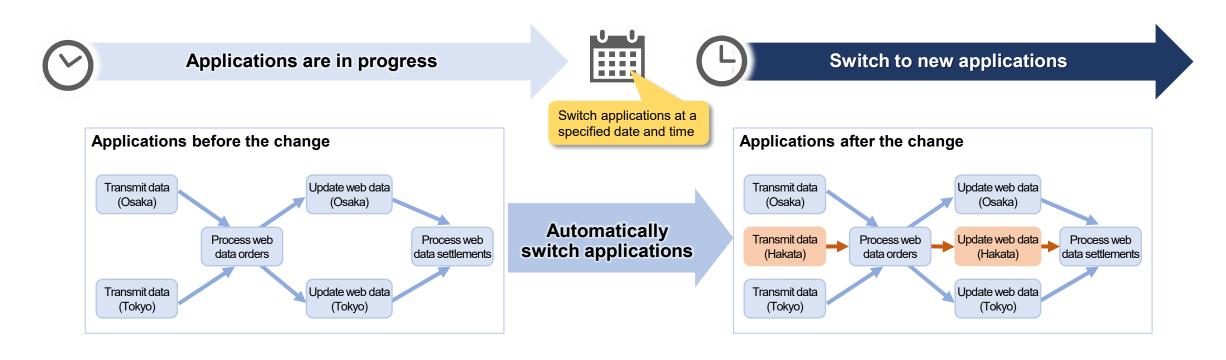


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Automatically switch applications at a specified date and time

When changing an application flow, you can switch it to a new application flow at a pre-specified switching date and time without stopping currently running applications.

Automatically switch the application flow at a specified date and time while continuing business operations





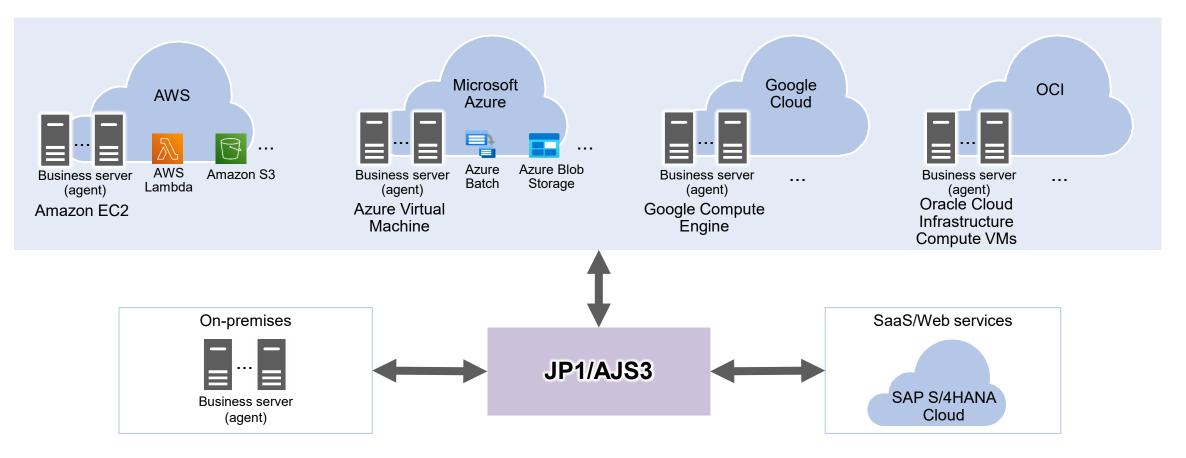
Example of a system configuration

■ Example of a system configuration

Example of a system configuration



The system configuration for managing and controlling the execution of an application flow in JP1/AJS3 is as follows.



AWS: Amazon Web Services Amazon S3: Amazon Simple Storage Service Amazon EC2: Amazon Elastic Compute Cloud

OCI: Oracle Cloud Infrastructure JP1/AJS3: JP1/Automatic Job Management System 3

When linking with any cloud service using service linkage plug-ins, the customer must verify the linkages.



Support for safe use

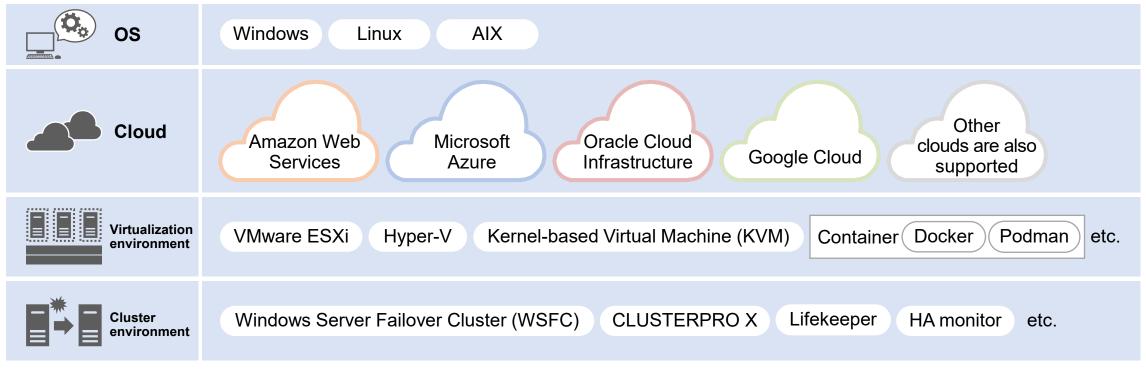
- Support for evolving and diversifying system environments
- JP1 professionals assist customers
- One-stop problem resolution at an early stage
- Long-term use with peace of mind and guaranteed compatibility with preceding versions
- Global use with peace of mind
- Reliable quality for customers

Support for evolving and diversifying system environments



You can introduce JP1/AJS3 according to your system environment, such as on-premises or cloud.

We respond flexibly and quickly to evolving and diversifying environments and your needs.



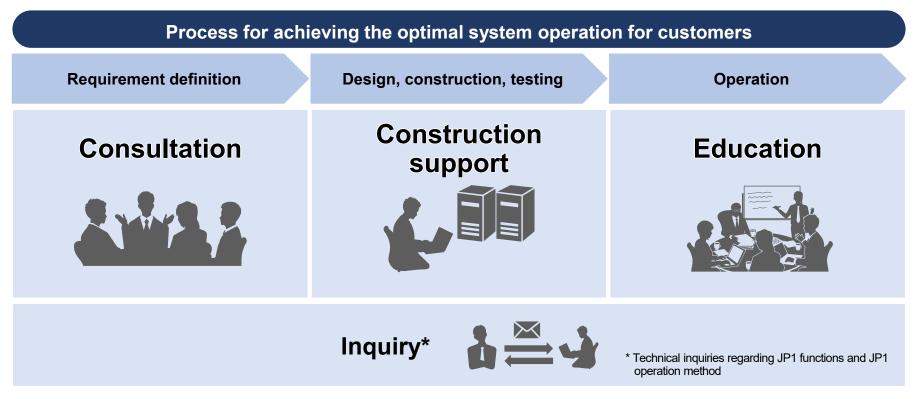
JP1/AJS3 runs on Japanese, English, and Chinese operating systems.

JP1 professionals assist customers



We can achieve the optimal system operation for our customers.

JP1 professionals can derive a system operation method suitable for the customer's requirements, system scale, and environment, and help achieve a network management system.



By involving JP1 professionals, you can clarify system operation requirements, shorten the examination and implementation period, and smoothly hand over to the operation team.

JP1 professionals are engineers who have a specified level of JP1 skills and have been certified based on the JP1 Engineer Qualification System.

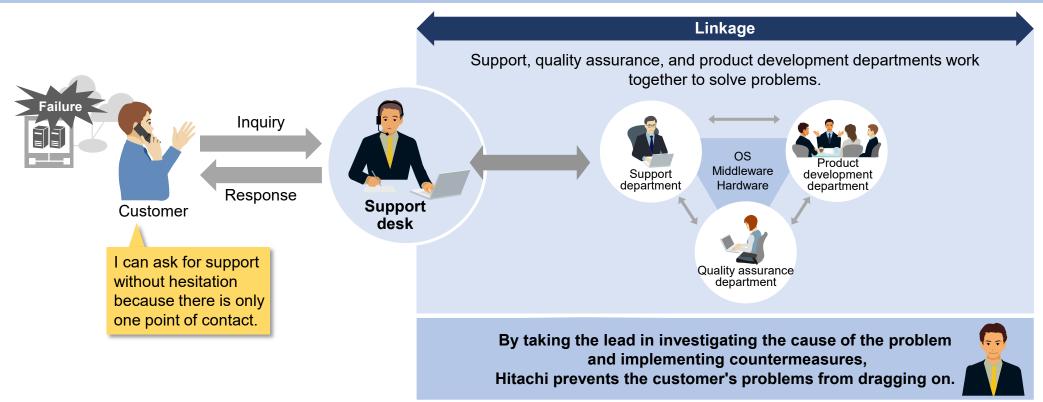
One-stop problem resolution at an early stage



We provide one-stop support to solve problems quickly. This reduces the burden on customers of a problem occurs.

We provide support for early stage resolution of complex problems, which can involve multiple elements such as operating systems and middleware.

One-stop support resolves problems quickly, prevents recurrence, and ensures stable operation of customer systems



Long-term use with peace of mind and guaranteed compatibility with preceding versions



You can use JP1 for a long time and expand your business systems without worry.

We provide continuous support even when the customer's system has a long life cycle. JP1 ensures compatibility between versions, allowing for gradual system expansion.

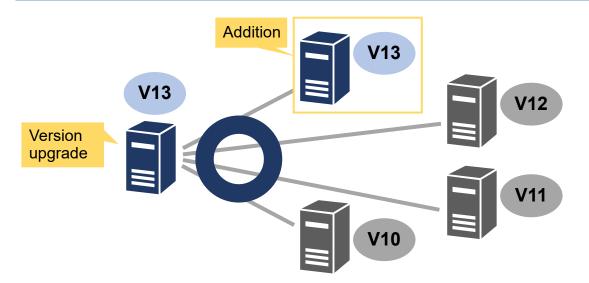
Long-term support for the life cycle of customer systems



At least 10 years of support is guaranteed

with the same version

Flexible support for business system expansion



Guaranteed compatibility with the preceding three major versions.

You can operate your system even if it contains different JP1 versions.

Even if you upgrade JP1, interface compatibility is maintained. Therefore, you can use the linked products, services, user programs without modification.

Global use with peace of mind



You can use JP1 with peace of mind around the world.

We support our customers with sales and support locations covering all regions of the world.

Our sales and support locations around the world and in Japan work together to support our customers



We cover all regions of the world including Asia, Oceania, North America, South America, Europe, Middle East and Africa.

Hitachi's sales and support locations support customers in cooperation with the support, quality assurance, and product development departments in Japan.

Reliable quality for customers



Achieve stable operation of mission-critical systems!

We have established a system to maintain high quality and high reliability so that customers can use our products with peace of mind.

- We ensure quality by setting voluntary standards
- We utilize technical know-how and experience accumulated over many years of development

Guaranteed product quality



Close information sharing Incident prevention activities

High-quality and highly reliable operation management that supports

stable operation of

customer systems



Quality assurance department

Guaranteed quality for

customers

 Using a QA department independent from the product development department strengthens quality governance

Thorough quality control is

implemented from the customer's perspective, from the upstream development process

Using a QA department

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- For the most recent information on the support status of a JP1 product, including supported operating environments, please visit the JP1 website.



END

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