

MasterScope JobCenter R15.2 New Features and Enhancements

April, 2018

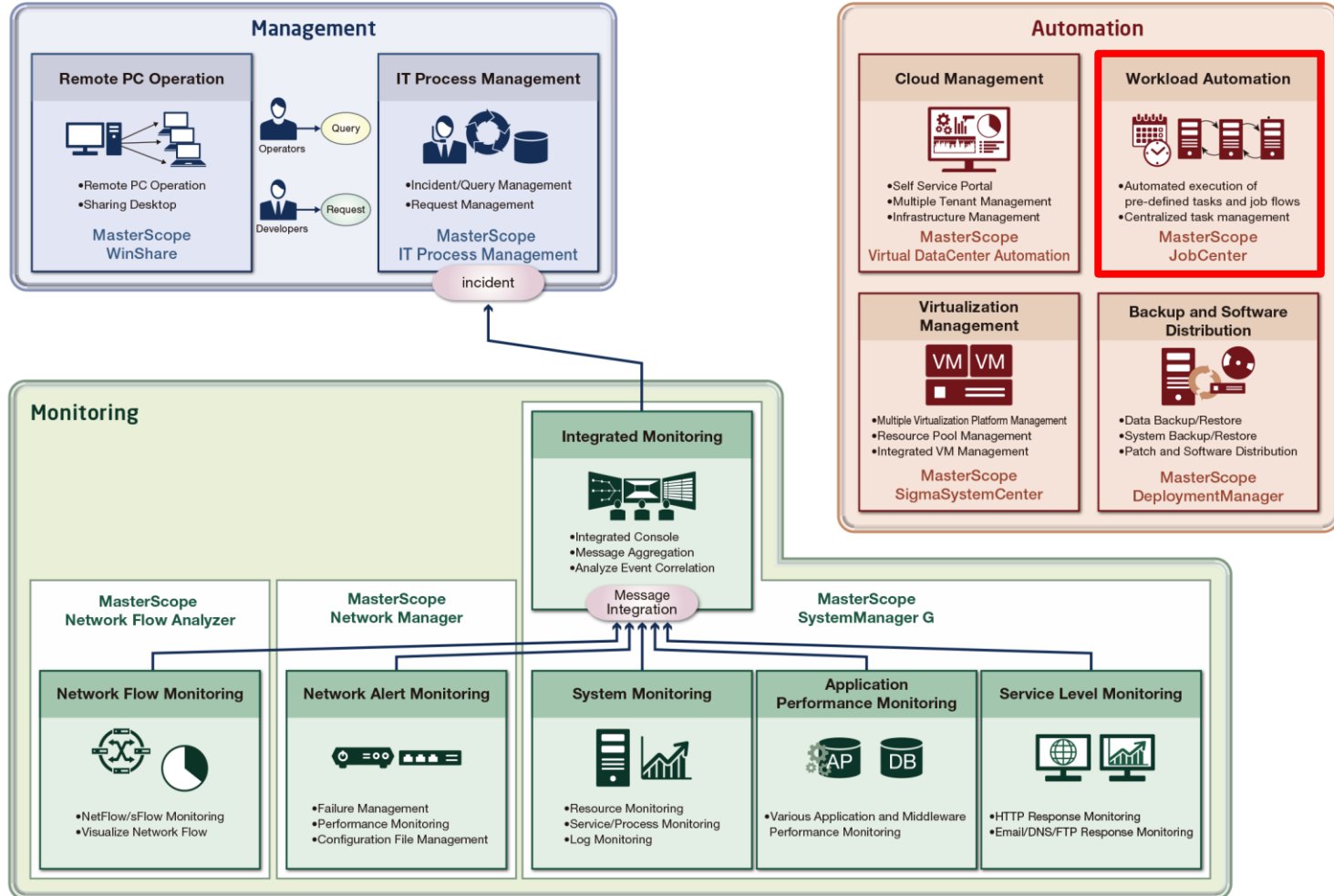
Cloud Platform Division

NEC Corporation



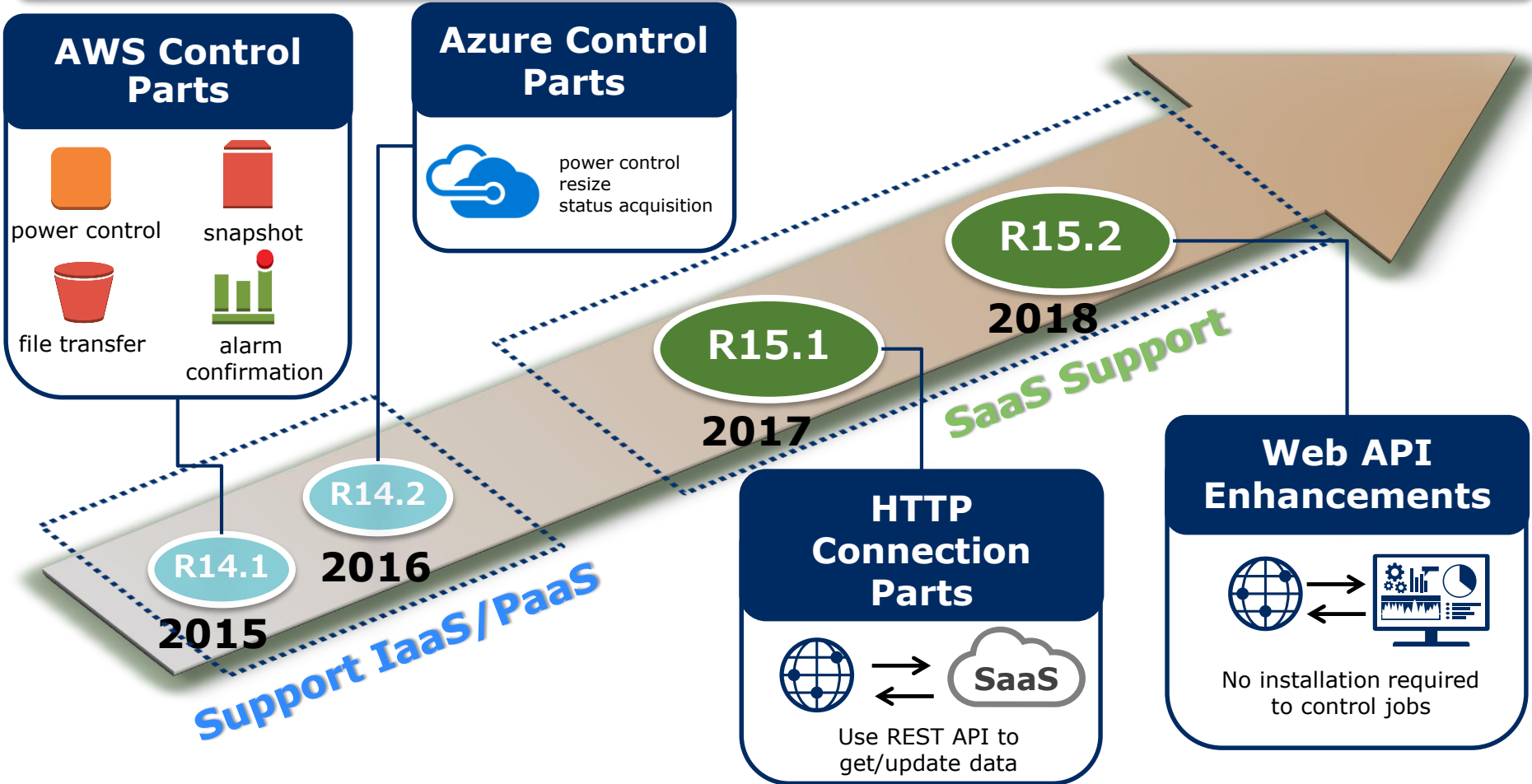
JobCenter in MasterScope

MasterScope JobCenter automates routine work in system operations and supports accurate and efficient system operation.



Enhancements to Support Hybrid Cloud Environments

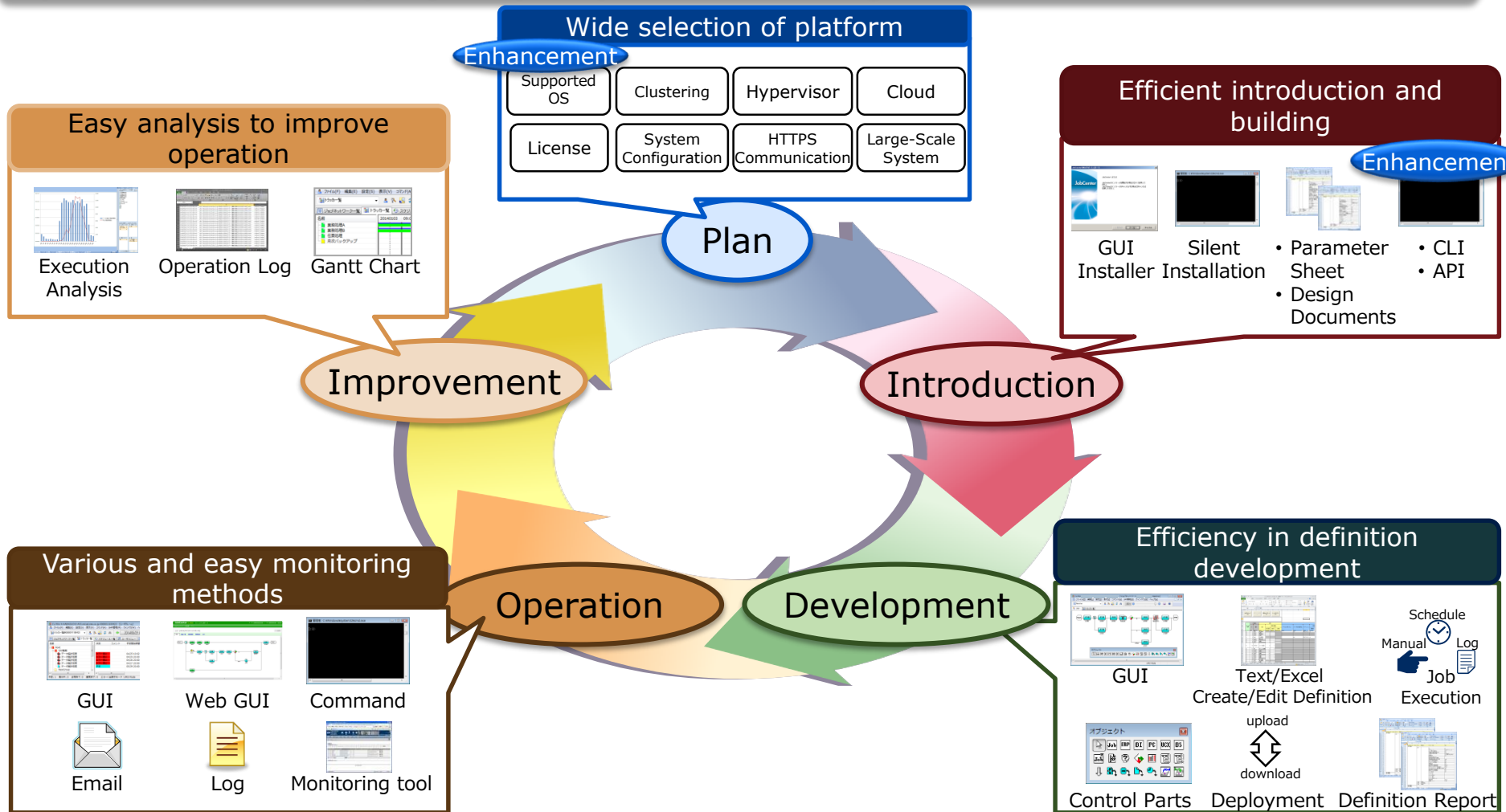
To become a new job management platform supporting business in the hybrid cloud era, IaaS/PaaS control and SaaS interoperation parts are enhanced.



MasterScope JobCenter 15.2 Enhancements

Enhancements in MasterScope JobCenter 15.2

The features of JobCenter are enhanced to efficiently support the entire job management, including plan, introduction, definition development, operation, and day-by-day improvement of jobs.



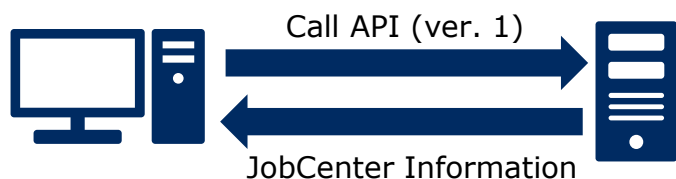
Enhancement Summary of MasterScope JobCenter 15.2

No	Enhancement	Description	Effect	Standard/Option
1	CL/Web Web API interface (CL/Web Option)	The feature to obtain information from JobCenter by REST API has been improved, provided as version2.	Development Efficiency	Option
2	Job Network environment variables	On Job Network immediate creation, multiple environment variables can be configured.	Operational Improvement	Standard
3	Configuration by commands	New commands are provided to configure JobCenter environment efficiently.	Operational Improvement	Standard
4	CL/Web compatibility	New CL/Web provides backward compatibility, enabling job execution monitoring and tracker control of JobCenter MG/SV (r14.1 or later).	Operational Improvement	Option
5	OS Support	AIX 7.2 is supported.	Implementation Improvement	Standard

1. CL/Web Web API Interface (CL/Web Option)

CL/Web Option version 2 provides REST API in general format.

R15.1 or earlier (API version 1)

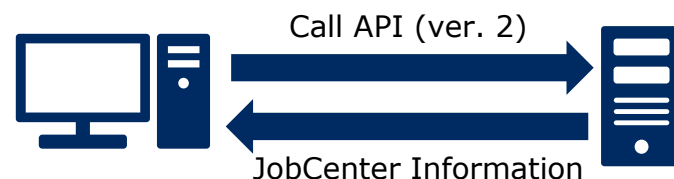


```
"rows": [  
  {  
    "status": "done,-",  
    "id": 0,  
    "cell": [  
      "JOB98",  
      "UJOB",  
      "Unit Job",  
      "Success",  
      "status-done",  
      "2013/04/11 15:52:18",  
      "2013/04/11 15:52:18",  
      "2013/04/11 16:40:22",  
      "2013/04/11 16:40:34",  
      "example.com"  
    ],  
  },  
]
```

The original format makes it hard to see what each value is for.



R15.2 (API version 2)



```
data:[  
  {  
    "jobnetwork_name":"jnw1",  
    "status":["done","error"],  
    "substatus":["abort","operation_hold","archived"],  
    "group_path":"Root/Group",  
    "tracker_id":"jnw1.20171224054401",  
    "comment":"jnw1",  
    "expected_start_time":"2017-10-17T22:30:00Z",  
    "expected_end_time":"2017-10-17T22:50:00Z",  
    "start_time":"2017-10-17T22:30:00Z",  
    "end_time":"2017-10-17T22:50:00Z",  
    "user_name":"nsumsmgr",  
    "machine_name":"example.com"  
  },  
]
```

Values in general REST API format are easy to understand and utilize.



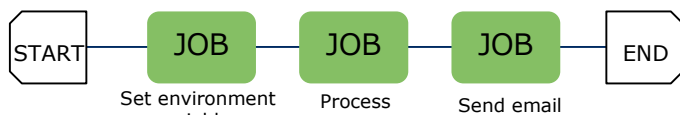
2. Job Network Environment Variables Configuration

When creating a job network, multiple environment variables can be configured. Multiple parameters can be dynamically applied to a running job.

R15.1 or earlier

Only NSJNW_PARAM can be set on immediate creation.

To set multiple environment variables, I need to write a script and set it in a job.



Script Example

```

FOR /F "tokens=1,2,3* delims= " %%A IN
( "%NSJNW_PARAM%" ) DO (
  set APP_ENV1=%%A
  set MAIL_ADDR=%%B
  set LOCAL_PATH=%%C
)
echo %APP_ENV1%
echo %MAIL_ADDR%
echo %LOCAL_PATH%
  
```

R15.2

Multiple environment values can be set on immediate creation.

I don't have to write a script to pass multiple parameters to a job.

環境変数設定

変数	値
APP_ENV1	0
MAIL_ADDR	test@test.co.jp
LOCAL_PATH	C:\tmp\app1

Command execution example (3 parameters)

```

Inwsubmitcmd
-e APP_ENV1=0
-e
MAIL_ADDR="test@test.co.jp"
-e LOCAL_PATH="C:\tmp\app1"
SAMPLEJOB
  
```

Set environment variables as
"-e variable=value"

*This command can be written in 1 line.

3. Configuration by Commands

Enhancements to configuration commands allow you to implement JobCenter environment more efficiently.

■ Configuration commands provided in R15.2

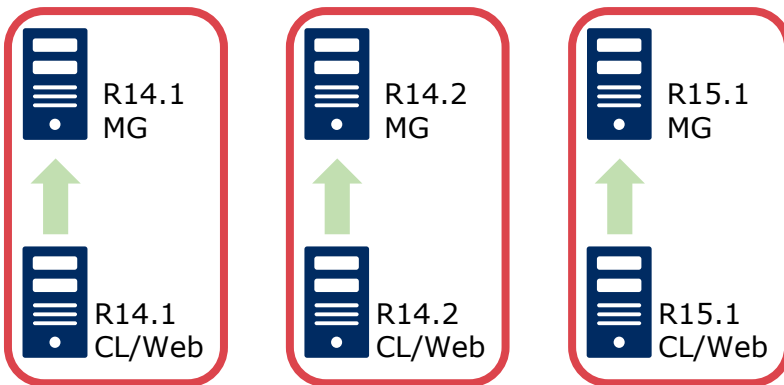
Command	Description
jc_usermgr	Add users to JobCenter MG/SV for Windows.
jc_syscfg	Get or modify JobCenter configurations such as email notification and log output of operation and execution.
jc_usercfg	Get or modify user specified information such as job network parameters and tracker display method.
jc_permcfg	Get or modify user authorities.

4. CL/Web Compatibility

New CL/Web provides backward compatibility, enabling job execution monitoring and tracker control of JobCenter MG/SV (r14.1 or later).

R15.1 or earlier

The version of CL/Win must match the version of MG to get information.

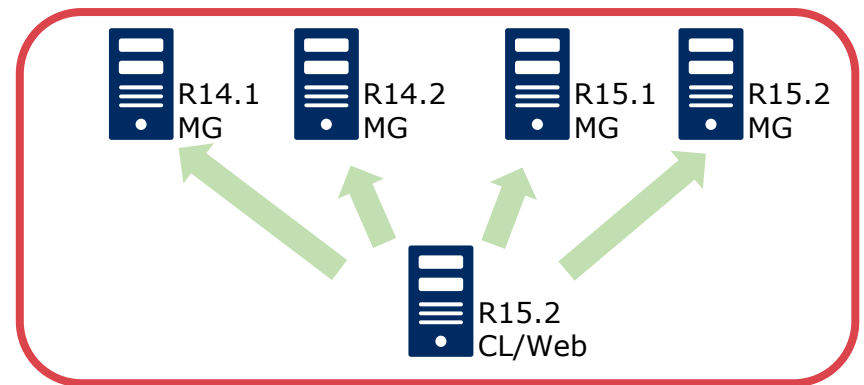


I need to prepare CL/Web servers of the same version as all MG to see the execution status...



R15.2

The latest CL/Web allows you to control MG/SV of all versions from R14.1 to R15.2.



I don't have to prepare CL/Web servers for all versions to control MG.



5. OS Support

JobCenter now supports the following platforms as operating environment.

- Job Management Server (MG), Job Execution Server (SV)
 - AIX 7.2