

Control-M v21.1

- » Neue Funktionen
- » Erfahrungen
- » Upgrade Empfehlungen aus der Praxis

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V21.1 - Releases

- Minor / Major release every 7 months
- v21 October 2022
- v21.1 May 2023 → On-Prem and SaaS same day.
- v21.2 December 2023

V21.1 - End Of Support

Version	Release date	End of full support	End of extended support
AFT 8.2	01 / 2017	08 / 2020	12 / 2023
9.0.19	03 / 2019	12 / 2022	03 / 2024
9.0.20	07 / 2020	04 / 2024	07 / 2025
v21	09 / 2022	09 / 2025	09 / 2027

V21.1 – Key features

Control-M 21 – Key features

Core <ul style="list-style-type: none">Folder ReferenceAdjust events “Bridge”Post processing (on do) based on variables“Order as independent flow” added to the On Do “Order Job”SLA alerting mechanism for cyclic Folders or Jobs executionsNew microservicesSite standards policies	Web UI <ul style="list-style-type: none">JSON import/export to/from Web UIUser and roles managementRun as managementHost group managementAgent maintenanceAgent managementFolder managementiSeries (AS400) managementImproved user experience	MFT Enterprise (MFT/e) <ul style="list-style-type: none">Multi-site support on a single EM serverWeb interface file exchange enhancements<ul style="list-style-type: none">New UITree ViewSupport for sub-directoriesUpload multiple files /directoryWhite labelingSecurity<ul style="list-style-type: none">Role-based Administration for different MFT/e SitesUser locking and password for BPTLS 1.3Disable simultaneous HTTPS loginsHub support for ECDSA, ED25519 and ED448 key typesHub support for “Password and Key”SSL authentication using certificates	Security <ul style="list-style-type: none">IdP support using SAML 2.0RBA support for host-groupsTLS 1.2 support for Oracle DBAWS Linux Postgres DB secure communication and DB encryptionSupport for DBO password via KerberosRemove old encryptions and ciphersAllow AAPI users to use their own tokensAuthorization for secrets and reportsEnhanced AI authentication to Azure
Integrations <ul style="list-style-type: none">Control-M for AirflowApplication Integrator<ul style="list-style-type: none">New AI DesignSupport JSON objects in REST callsSupport input file in job definitionSupport GCP identity tokenDeployment<ul style="list-style-type: none">Plugins deploy via webDirect Agent deployment via CCMAWS plugin enhancementsSAP plugin enhancementsPlugins based on Application Integrator<ul style="list-style-type: none">Azure DatabricksAzure Data FactoryAzure FunctionsAWS GlueGCP DataFlowInformatica Cloud (IICS)UIPathNew Centralized CP (MFT/AP/AI/SAP)Local CP -> CCP conversion utility	MFT <ul style="list-style-type: none">Cloud integrations<ul style="list-style-type: none">Azure Blob storageAzure Data Lake storageGoogle Cloud StorageAWS PrivateLink for Amazon S3Security<ul style="list-style-type: none">TLS 1.3New ciphers, key exchange, MACsUnique default encryption key for CMFile Transfer server enhancements<ul style="list-style-type: none">Support for “Password and Key” authenticationAllowed/Blocked Users listDisable server, access LogWeb Interface for File Transfer Server (https://<fts_host>:7443)Additional MFT job improvements<ul style="list-style-type: none">Create a copy of existing filePost actions: change Permissions, Run command, Add empty filePGP - choose PGP operation	Automation API & Workbench <ul style="list-style-type: none">Python clientSLA and Calendars import/export/updateSite Standards import/exportAdd/remove parm in deploy descriptorAlert managementPeoplesoft job typez/OS job typePerformance improvementsToken based authenticationAuthorization for secretsUsage measurement for active jobsSite standards policies, and ‘simulation’Workbench enhancements	Reports <ul style="list-style-type: none">Add new reports to retrieve Folders & JobsIf-Actions post processing definitions Agent <ul style="list-style-type: none">New Agent include AI and AAPI CLISupports VB\PS\Perl\Python emb scriptsNew communication processSupport multiple IP addresses per hostname
			Mainframe <ul style="list-style-type: none">Separate workload executionsDelay before submission setting in WebIn-place upgrade enhancementsWorkload Optimization: Load Indexes association with MainView alarms

V21.1 – Native Integrations

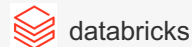
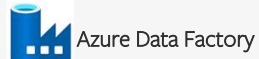
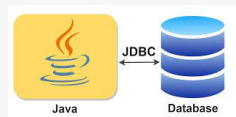


Value = Drive business results faster



Features =

- Transfer files to/from Oracle Cloud Storage
- Orchestrate new application versions and functionalities through updated integrations



Add File Transfer Connection Profile

General

Connection Details

Connect to

Oracle Object Storage

File System

SFTP Server (SSH)

FTP Server

S3

Azure Storage

Google Cloud Storage

Oracle Object Storage

V21.1 – Enhanced Application Integrator



Value = Deeper tracking of custom integrations



Key Features =

- Track job status after a manual abort
- Retrieve output for still-executing steps
- Support zip file returned by a REST response

The image displays two screenshots of the BMC Control-M Application Integrator interface. The left screenshot shows the 'Execution - Retrieve Weather' step selected in the 'Execution Steps' list. A context menu is open over this step, listing options: Duplicate, Runtime information capture, Manual abort operation, Verify operation completion, and Retrieve output. Orange arrows point from the 'Manual abort operation' and 'Retrieve output' options in the menu to the right screenshot. The right screenshot shows the configuration for the 'Manual abort operation' step. The 'Abort Method' dropdown is set to 'Continue execution', which is highlighted with a red box. Below it, the 'REST API URL (Required)' field is also highlighted with a red box.

V21.1 – Efficiency

IT Operations, data teams, and cloud engineers can accelerate business outcomes and improve overall performance

MFT

Transfer Multiple Files Simultaneously



Maximum Concurrent Transfers

Auto

Auto

2

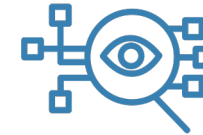
3

5

10



- Improve time efficiency transferring multiple files simultaneously
- MFT handles files in their order of arrival



Avoid issues with Control-M services through monitoring tools



V21.1 – Business Enablement



Data Protection



Key Features =

New authorization capabilities for MFT/E administrators:

- Default home folder for external users
- Different user access levels for different folders and subfolders (including delegation)

Edit Virtual Folder

Virtual Folder Name (Required)
B2BFolder1b

Virtual Folder Access Level
Full control

Sub-Folders (5)

Name	Access Level
B2BFullCon	Full control
B2BSubFolderJ1	Read only
CompSubFolderA1	Write only
incoming	Full control
outgoing	Read only

Authorized External Users/Groups (2)

Type	Name	Company	Access Level
Person	druser	BMC-E	Full control
Person	B2BCo...	BMC	Full control

Buttons: Add, Cancel

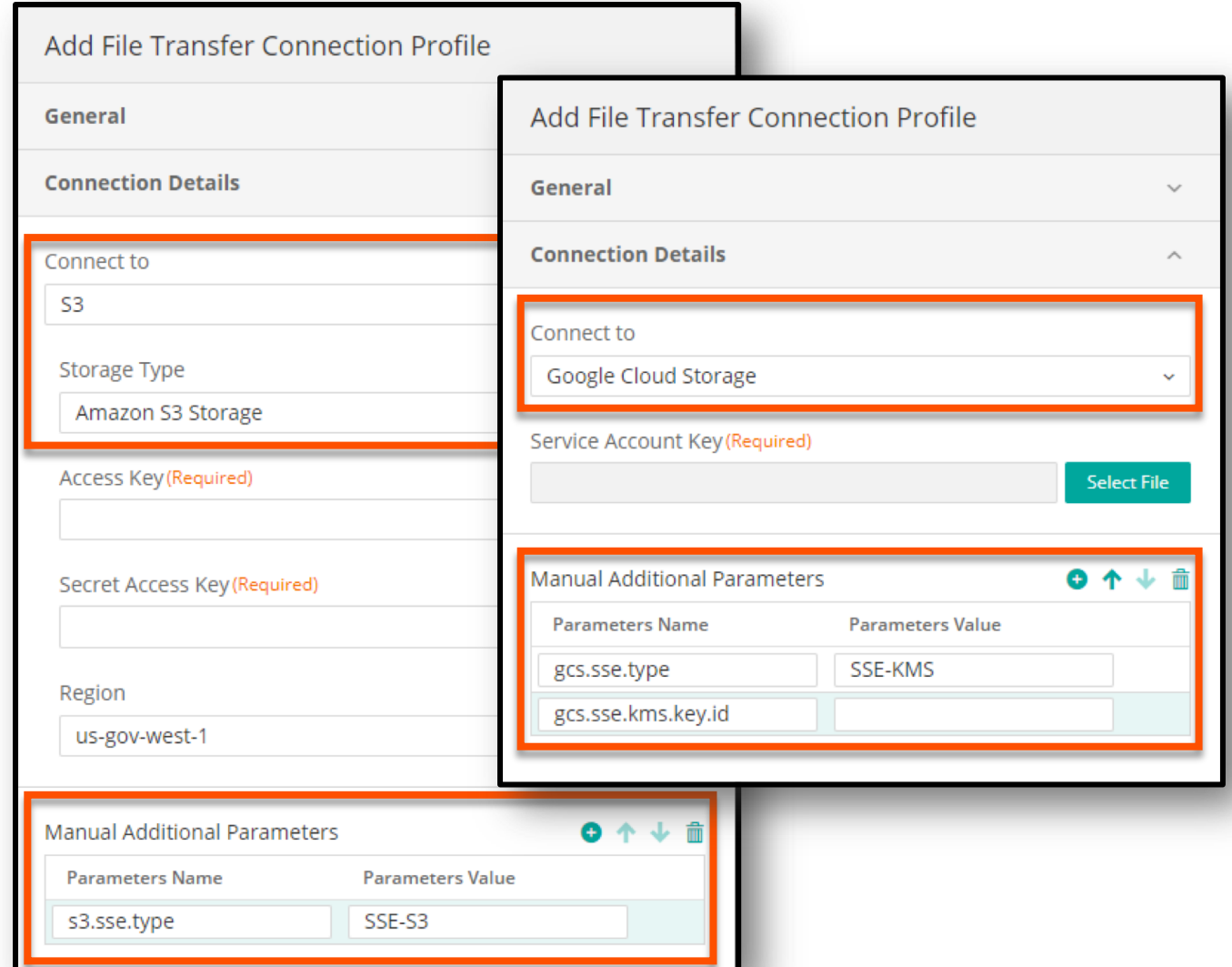
V21.1 – Business Enablement

Data Encryption

Key Features =

New security capabilities for MFT:

- Enable encryption at rest to ensure secure file transfers to/from AWS S3 and Google Cloud Storage



The image shows two overlapping screenshots of the 'Add File Transfer Connection Profile' form. The top screenshot is for Amazon S3, and the bottom screenshot is for Google Cloud Storage. Both screenshots have orange boxes highlighting the 'Connect to' field, the 'Storage Type' dropdown, and the 'Manual Additional Parameters' table.

Amazon S3 Configuration:

- Connect to: S3
- Storage Type: Amazon S3 Storage
- Access Key (Required): [Empty]
- Secret Access Key (Required): [Empty]
- Region: us-gov-west-1
- Manual Additional Parameters:

Parameters Name	Parameters Value
s3.sse.type	SSE-S3

Google Cloud Storage Configuration:

- Connect to: Google Cloud Storage
- Service Account Key (Required): [Empty] [Select File](#)
- Manual Additional Parameters:

Parameters Name	Parameters Value
gcs.sse.type	SSE-KMS
gcs.sse.kms.key.id	[Empty]

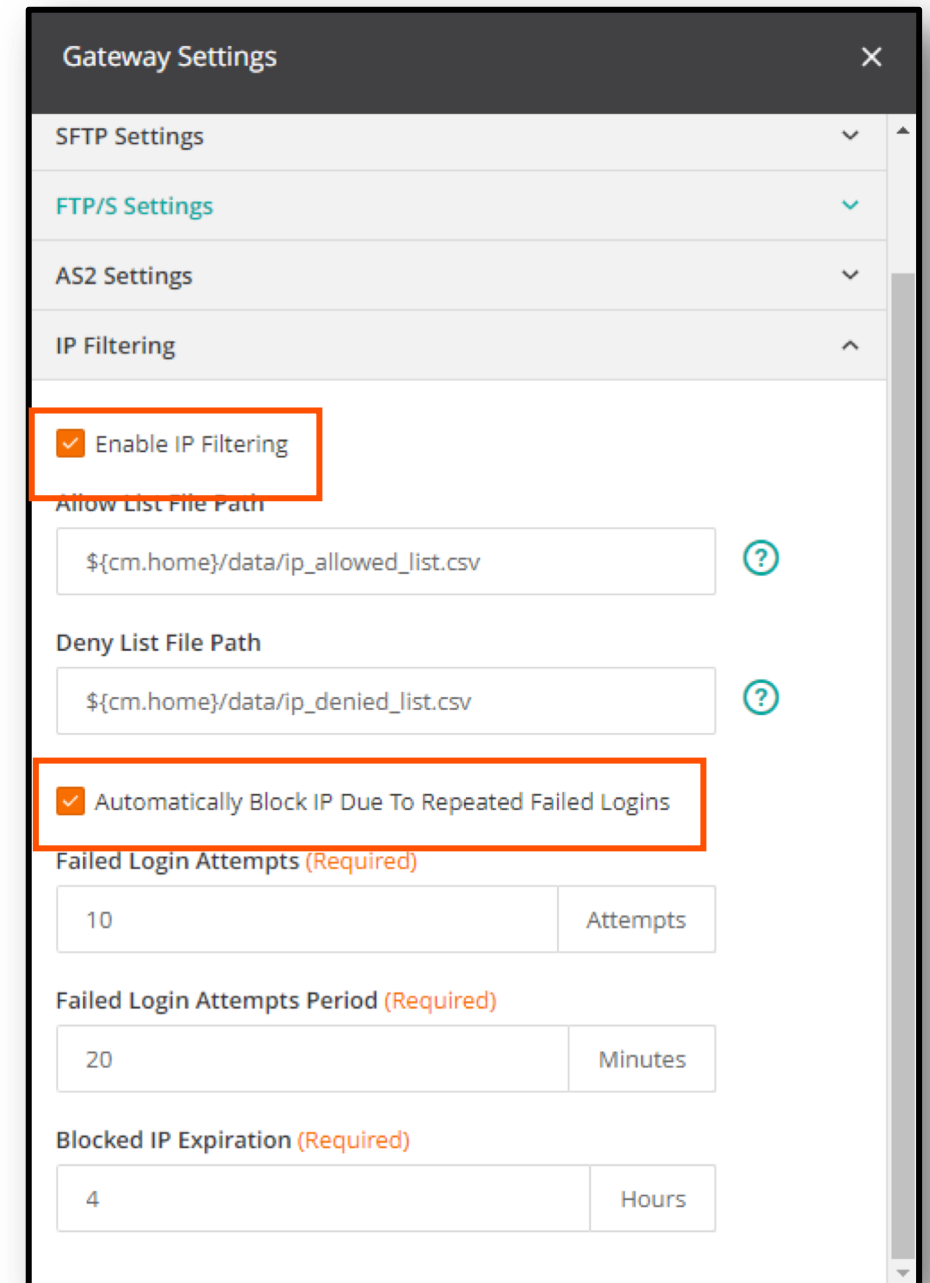
V21.1 – Business Enablement

Network Security

Key Features =

New Gateway settings in MFT/E:

- Enable IP filtering, allow and block specific IPs
- Enable auto-block IP, based on failed logins, with expiration time



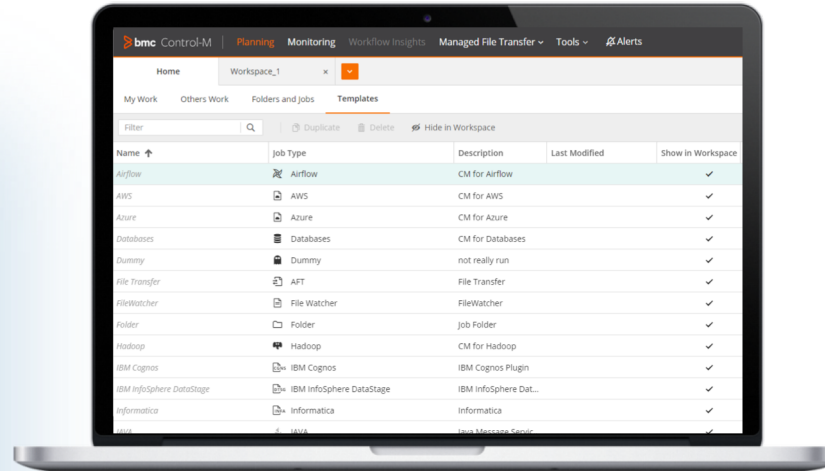
The screenshot displays the 'Gateway Settings' window with several sections. The 'IP Filtering' section is expanded, showing the following settings:

- Enable IP Filtering
- Allow List File Path: ?
- Deny List File Path: ?
- Automatically Block IP Due To Repeated Failed Logins
- Failed Login Attempts (Required): Attempts
- Failed Login Attempts Period (Required): Minutes
- Blocked IP Expiration (Required): Hours

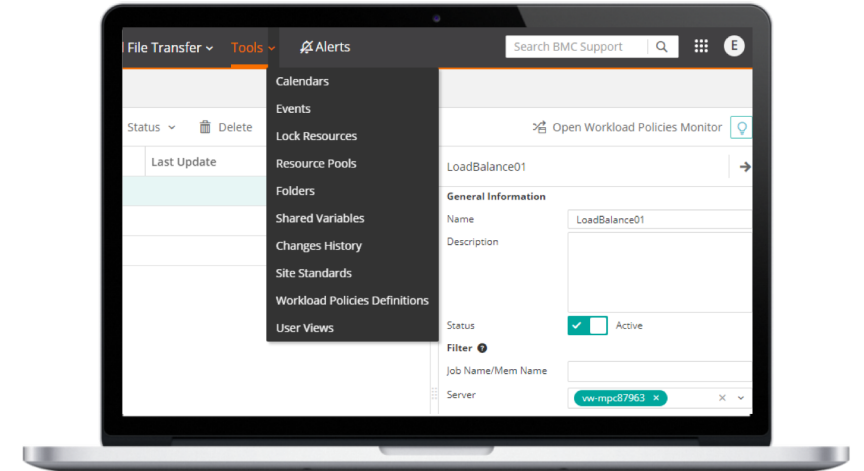
V21.1 – Web UI

More features available through the web interface

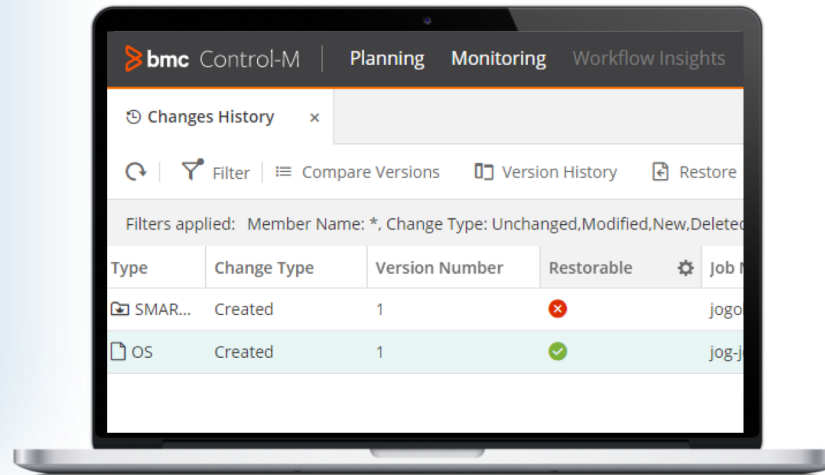
- Job Template
- Workload Policy
- Changes History
- Timeline View
- Variable Simulation
- ...



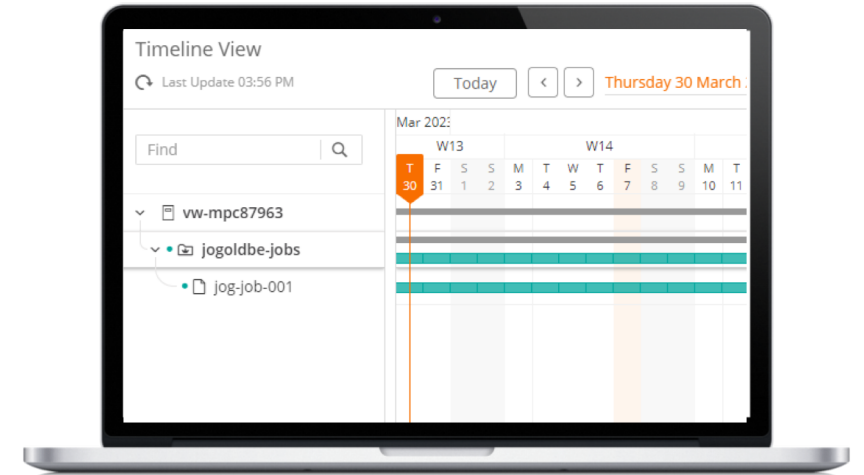
Job Templates



Workload Policy



Change History

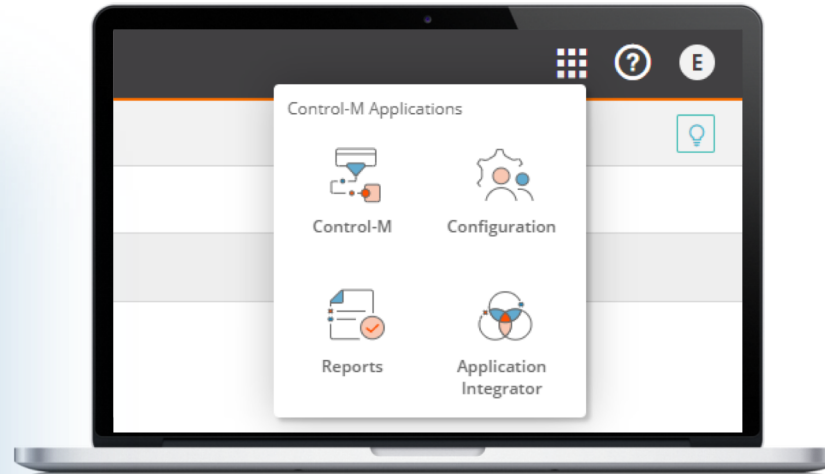


Folder Timeline View

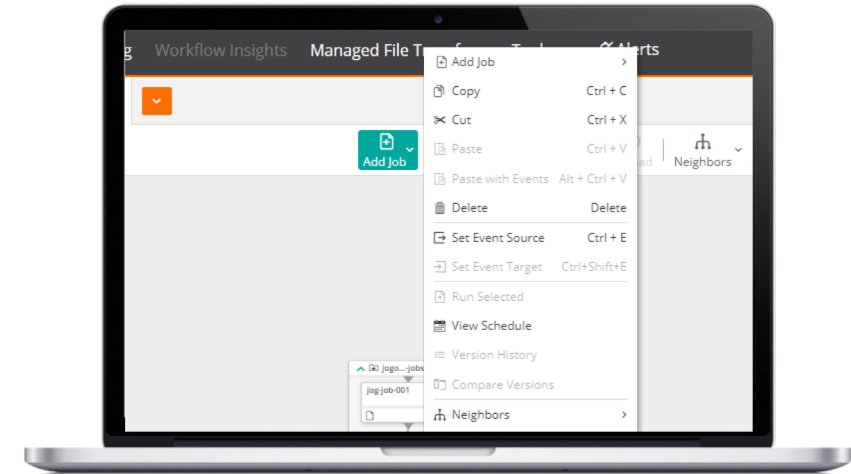
V21.1 – Web UI

Easy and quick access to relevant functions

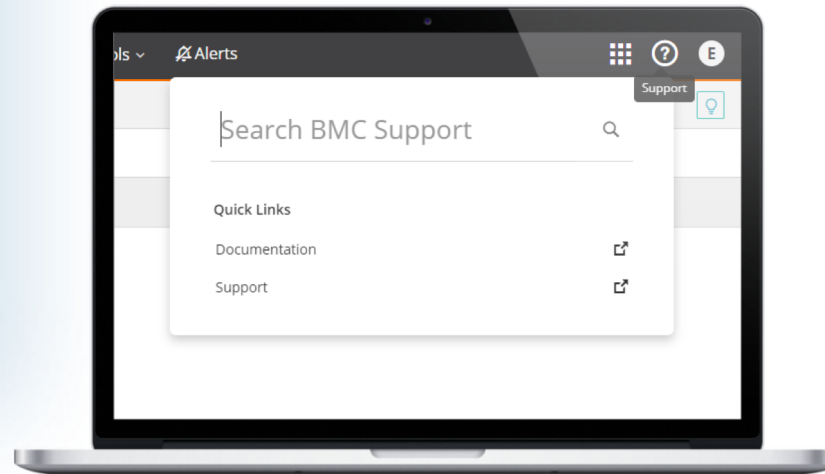
- New application menu
- Right-click context menus
- Search options
- Fast paths



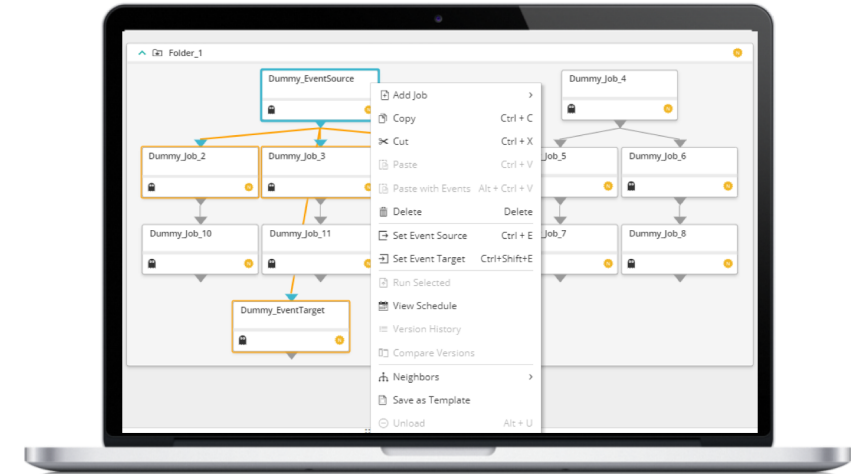
Application Menu



In-context menus



Search in Support Center



Define links setting source/target

V21.1 – Better control over event naming and display

Event name and display:

- Option to control how automatic events are created
- Graphical details for layout
- Optional events display

Preferences

Event Format ?

{Job/Folder Name}-TO-{TargetJob:Job/Folder Name} x

Language
English

Warning Dialogs **Reset All Dialogs**

User Views
Full view (includes Planning, Monitoring, MFT, Tools) v

Planning

Auto save

Workspace default view **Tiles** List

Auto-created events

Event Format ?
{Job/Folder Name}-TO-{TargetJob:Job/Folder Name} x

Automatically delete event ?

Make event name unique ?

Fix event name on value changes ?

Monitoring

Hide empty SMART Folders

Services default view **Tiles** List

Viewpoints default view **Tiles** List

Map job node title
Job Name v

Zoom ? 110% v

Show Hierarchy

Group by hierarchy

Show Event Lines

Above tiles

Behind tiles

Do not show

Display Events

Event to be deleted

Event raised by If-Action

Optional Event Style

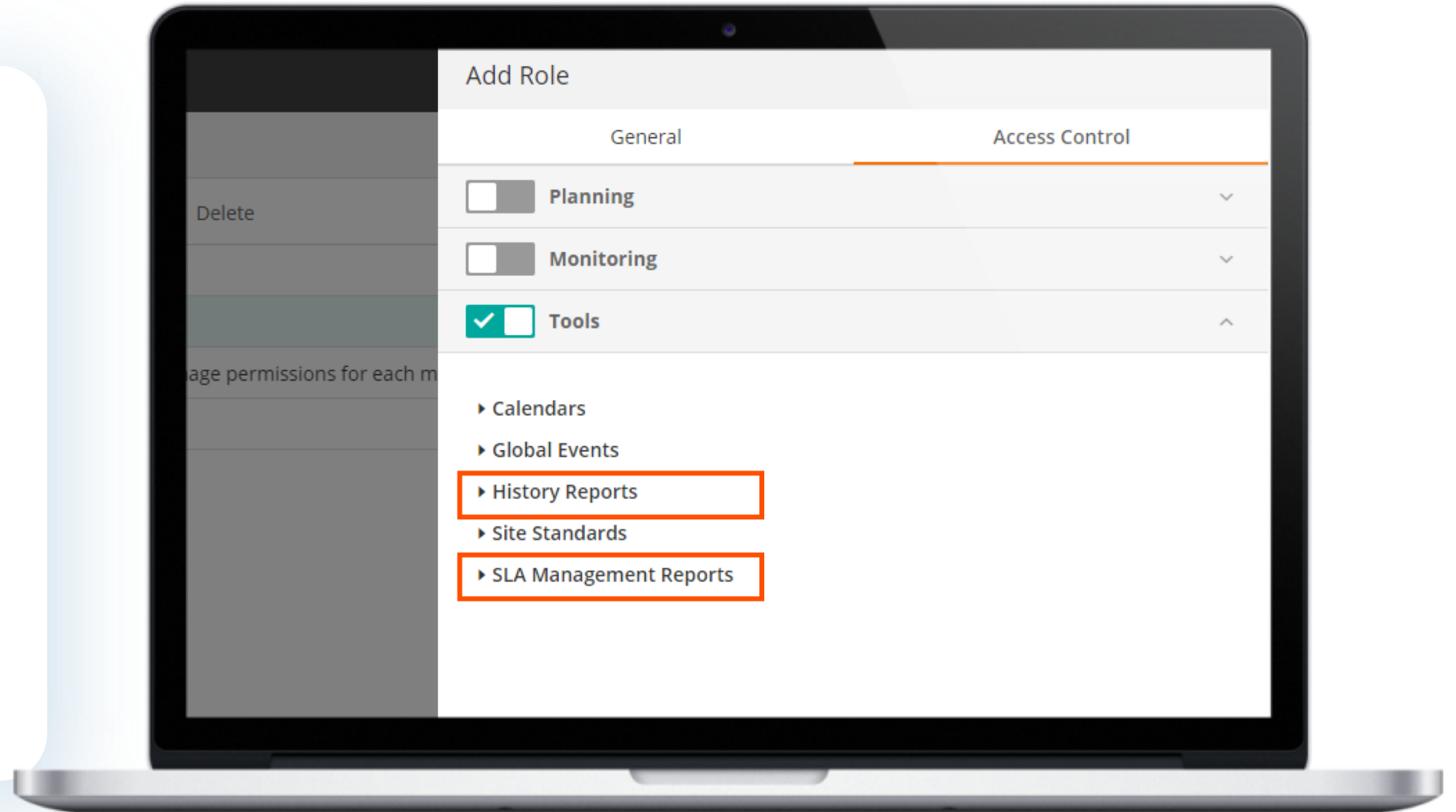
Regular

Dotted

V21.1 – Framework for non-IT Users

New access control options available when defining user roles:

- History Reports
- SLA Management Reports



V21.1 – Airflow Integration



Single orchestration framework including Airflow DAG runs



All Control-M orchestration capabilities available while integrating with Airflow



Developers, IT Operations, and business users can access Airflow data workflows

The screenshot displays the BMC Control-M interface with the following components:

- Navigation Pane (Left):** Shows a folder structure including Folder_1, SM-FLD-REFD, Airflow_Job_2, File Transfer_Job_2, File Transfer_Job_4, Folder_2, Messaging_Job_3, and OS_Job_2.
- Central Workspace:** Displays a workflow diagram for SM-FLD-REFD. The workflow consists of three jobs: Messaging_Job_3, Airflow_Job_2, and File Transfer_Job_2. A search dropdown menu is open over the Airflow_Job_2 node, listing job types such as Oracle E-Business Suite, Airflow, Azure, Al linzhang, VMware, MAPPER, OS2200, and TANDEM Full.
- Summary Panel (Right):** Provides details for Airflow_Job_2:
 - Job Information:** Job type: Airflow, Job name: Airflow_Job_2.
 - Where:** Server: mfte-czms2, Host/Host group: <run in Control-M host>.
 - What:** Connection Profile: CONNAIRFLOW, DAG ID: Dag110698, Configuration JSON: No, Output details: Include failing task logs.
 - Scheduling:** Scheduling: Every day, Maximum reruns: 0.
 - Prerequisites:** Wait for Events.
 - Actions:** Events.

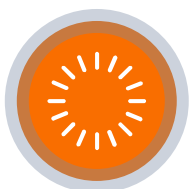
V21.1 – Cloud Storage Integrations



Further simplification of data orchestration in multi-clouds



You can transfer files to/from - and watch for files on - new cloud repositories



Cloud storage native integrations:

- AWS S3 PrivateLink
- Azure Data Lake Storage
- Google Cloud Storage

The image displays three overlapping screenshots of the 'Add FileTransfer Connection Profile' configuration interface. Each screenshot shows a 'General' section with fields for 'Connection profile name (Required)', 'Description', and 'MFT connection profile type'. The 'Connection Details' section shows a 'Connect to' dropdown menu with various storage options. The first screenshot shows 'AWS S3 PrivateLink' as the selected option. The second screenshot shows 'Azure Storage' as the selected option. The third screenshot shows 'Google Cloud Storage' as the selected option. Orange 'NEW' banners are placed over the 'AWS PrivateLink' and 'Data Lake Storage Gen2' options in the first screenshot, and over the 'Google Cloud Storage' option in the third screenshot.

V21.1 – Support for Cloud Authentication



New authentication method is supported to fulfill customer security policies and requirements:



AWS IAM roles

- Configured through Centralized Connection Profile
- Used by AWS Lambda, Step Function, Batch, Glue

Add AWS Connection Profile

Connection profile name *(Required)*

NEWIAMROLE

Description

Authentication

Region

ap-east-1

Authentication method

Access & Secret keys












Access & Secret keys

NEW IAM Role

Secret access key *(Required)*

V21.1 – Continuous Monthly Releases

- ✓ Orchestration platform is extended with new integrations across cloud, data, PaaS and more
- ✓ Integrations requests are prioritized based on customer input
- ✓ Constant evolution, strong cadence, many more updates and announcements in the future!

January 2022	February 2022	March 2022	April 2022	May 2022	
 Azure Databricks	 Azure Functions	 Boomi	 Microsoft Power BI	 Azure Batch	...
 Ui Path	 GCP Dataflow	 AWS and GCP Databricks	 GCP Dataproc	 Talend	
 Informatica Cloud					

https://docs.bmc.com/docs/helix_ctm_integrations/helix-control-m-integrations-home-1166432768.html

https://www.bmc.com/it-solutions/control-m-integrations.html#&product_interest=163366495&sortCriteria=recommended&category=mp

V21.1 – ...and many more News

Enhance security with Identity Provider (IdP) SAML 2.0 support

Folder/job reference

Post actions based on variable

Adjust events “Bridge”

New File Transfer Capabilities

Control-M Agent News

Administration Facilities

- Enhanced security, single sign-on and multifactor authentication
- Eliminate redundant copies of folders/jobs through reuse, when managing the same business logic across multiple workflows
- Enhance automation with dynamic post processing actions based on runtime conditions
- If a job in a workflow does not run every day and a subsequent job should run every day, this can be visualized better with the new Bridge function
- Further native cloud storage integrations; Strengthen security and increase efficiency; Speed up self-service file transfers; Automate external partners onboarding; Enhance external users' web experience and MFT/E multi-site support
- New Agent includes AI and AAPI CLI
- Supports VB\PS\Perl\Python embedded scripts
#!C:\WINDOWS\system32\WindowsPowerShell\v1.0\powershell.exe
- Support multiple IP addresses for a hostname
- Eliminate the need for multiple MFT/E installations with multi-site support; Eliminate redundant actions with Centralized Connection Profile for SAP and Reduce conversion risks with when moving from Local to Centralized Connection Profiles

V21.x – External Java

- ✓ Control-M/Agent installation no longer bring and install JRE
- ✓ Customers must provide path to local/network path with JRE
(For windows: only local drive is supported)
- ✓ Path must contain the “release” file
- ✓ Java version must be 11.0.12 or 11 higher + Java 17 in 21.1
- ✓ For automated install, user must:
set BMC_INST_JAVA_HOME=<path to JRE HOME DIR>

[21.1: New Supported external Java vendors](#)

- Red Hat on Windows
- Microsoft on Linux
- AWS Corretto Service on Windows and Linux
- SuSE
- Debian
- Ubuntu

V21.1 – Platforms and Databases

New OS Platforms

- ✓ Windows 2022
- ✓ Windows 11
- ✓ AWS Linux 2022
- ✓ Aix 7.3
- ✓ Ubuntu 22.04
- ✓ RedHat 9 (Agent only)

Databases

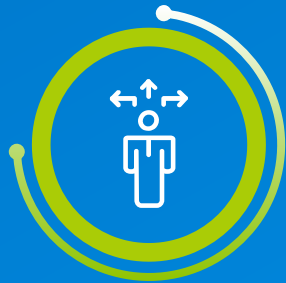
- ✓ Oracle 19c
- ✓ Oracle AWS RDS
- ✓ External PostgreSQL 11/12/13/14
- ✓ PostgreSQL AWS RDS
- ✓ GCP PostgreSQL 12 service
- ✓ Azure Postgres DB service
- ✓ Internal PostgreSQL 11
- ✓ Amazon Aurora 12/13/14
- ✓ MSSQL 2019/2017/2016
- ✓ MSSQL AWS RDS
- ✓ Google Cloud SQL for PostgreSQL

Containers

- ✓ New images for K8S and OpenShift
- ✓ Helm Charts

Increase Operational Efficiencies

Operations can achieve faster time-to-value with increased operational efficiencies



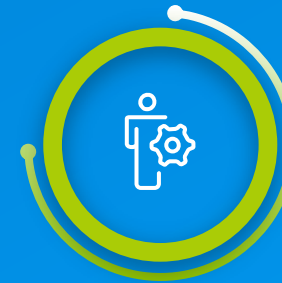
Operational Enhancements

- Enhance security with Identity Provider (IdP) SAML 2.0 support
- Create workflows faster – with folder/job reference and post-processing based on variables



New file transfer capabilities

- Streamline FT with cloud storage integrations and post actions
- New level of security control with allowed/blocked user lists
- Enhanced MFT/Enterprise and new MFT web user experience



Administration facilities

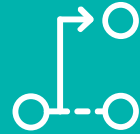
- Reduce installation efforts with MFT/Enterprise multi-site support
- Eliminate redundant tasks with new CCP for SAP
- Mitigate risks with automatic conversion from local to CCP

Operational Enhancements



IdP SAML 2.0 support

Enhanced security, single sign-on and multifactor authentication



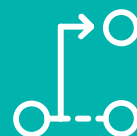
Folder/job reference

Eliminate redundant copies of folders/jobs through reuse, when managing the same business logic across multiple workflows



Post actions based on variable

Enhance automation with dynamic post processing actions based on runtime conditions



Adjust events "Bridge"

If a job in a workflow does not run every day and a subsequent job should run every day, this can be visualized better with the new Bridge function

Identity Provider (IdP) SAML 2.0 support



Widely adopted industry standard for identity authentication



Single sign-on (SSO) and Multi Factor Authentication (MFA)



IdP security groups can be associated to Control-M roles

System Settings

Identity Provider (IdP)

If you enable IdP using SAML 2.0, IdP authentication is enforced when you access Control-M Web client, Control-M client (Desktop), or Control-M Configuration Manager. Learn more about the SSO using SAML 2.0

Learn more Close

Enable SAML 2.0

SAML 2.0 Configuration

Force Authentication

To configure SSO using SAML 2.0, do the following:

1 Configure the IdP settings on the IdP application with the following values:

Single Sign-on URL
https://ip-172-31-59-244.ec2.internal:8443/services-prox...

Audience URI (Service Provider Entity ID)
Control-M_appld

Active Directory (LDAP)

Save Close

Folder/Job Reference



Create a Smart folder (common business logic)



Reuse the Smart folder/job when creating subfolders – new “Reference” option



Reduce change effort and errors across the environment

The screenshot shows the BMC Control-M interface with a workspace named 'Workspace_19'. The main area displays a workflow diagram with three folders: 'Folder_1', 'Folder_2', and 'Folder_3'. 'Folder_1' contains 'File Transfer Job_3'. 'Folder_2' contains 'File Transfer Job_3' and 'OS_Job_3'. 'Folder_3' contains 'Airflow_Job_2'. A 'Smart Folder' named 'SM-FLD-REFD' is shown, containing 'Messaging Job_3', 'Airflow Job_2', and 'OS Job_2'. A 'File Transfer Job_2' is also shown. A green circle highlights the 'Reference' section in the configuration panel on the right, with a checkmark indicating the 'Reference' option is selected. The configuration panel shows 'Reference path' as 'SM-FLD-REFD', 'Server' as 'mftc-ctms2', and 'Parent folder' as 'Folder_1'. The 'Reference' section also includes 'Reference path', 'Server', 'Run as', 'Parent folder', 'Application', and 'Sub Application' fields. The 'Variables' section includes 'Created by' (framont) and 'Advanced' options. The 'Documentation' section includes 'Type' (File), 'Doc path', and 'Doc file' fields. The 'Priority' section includes 'Priority' (Custom).

Post-processing with Variables



✓ Simple way to define and run workflows with processes based on variable value

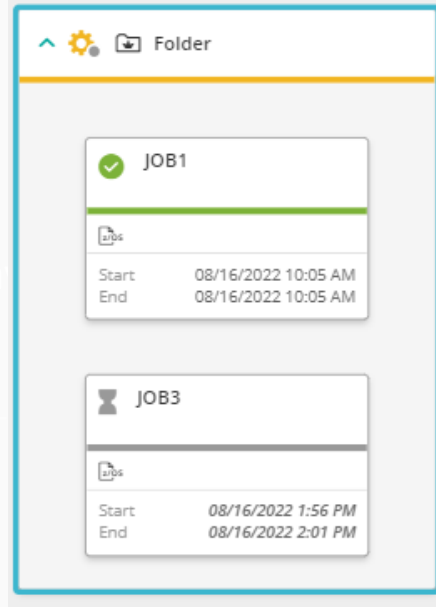
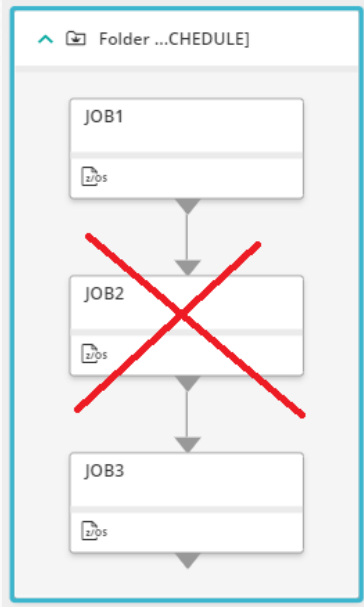
✓ Set the variable value and specify which action to take for condition met

✓ Paired with "Capture from output" allows conditional scheduling

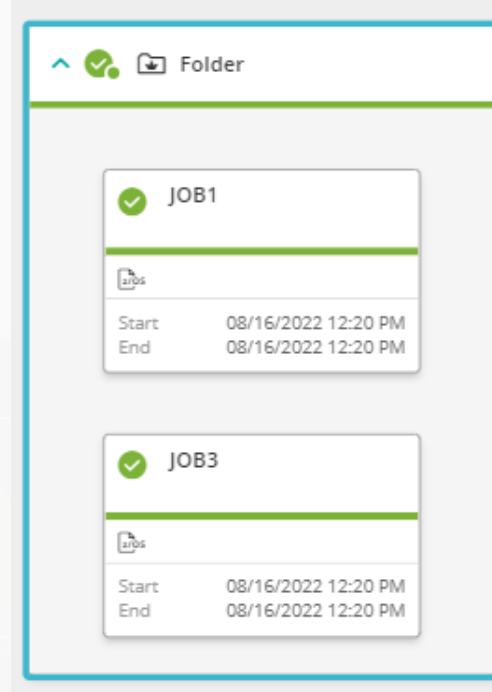
The screenshot displays a workflow management interface. The main area shows a workflow diagram with several folders and jobs. A specific job, 'File Transfer Job 3', is highlighted. To the right, the 'If-Actions' configuration panel is open, showing the following settings:

- If:** Variable value
- Variable name:** %%\$PREV
- Named Pool variable:** (unchecked)
- Value:** Equals to (=)
- Value:** 20220802
- Action:** Stop Cyclic run

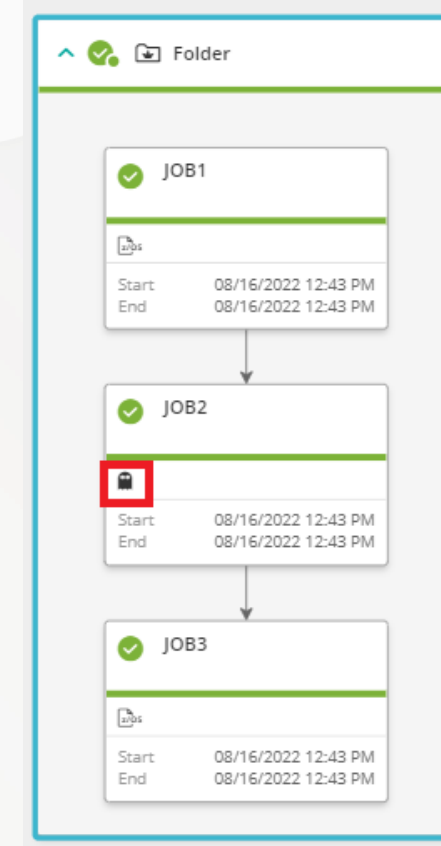
Adjust Events Using Bridges



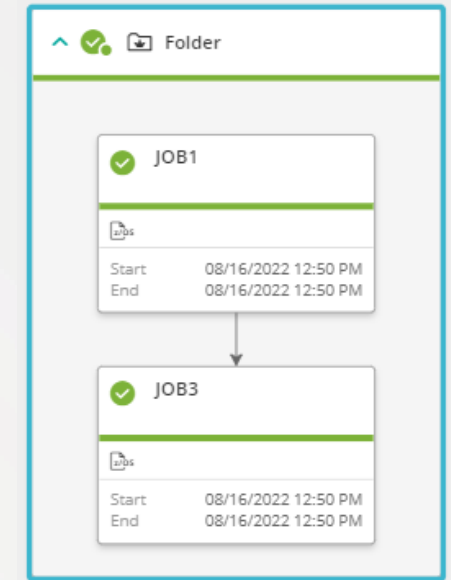
ADJUST=
NO



ADJUST=YES



ADJUST=DUMMY



ADJUST=BRIDGE **NEW**

New File Transfer Capabilities



Further native cloud storage integrations



Strengthen security and increase efficiency



Speed up self-service file transfers



Automate external partners onboarding



Enhance external users' web experience



MFT/E multi-site support



New File Transfer Capabilities



Further native cloud storage integrations



- AWS S3 PrivateLink
- Azure Data Lake Storage
- Google Cloud Storage

Strengthen security and increase efficiency



- Enhanced / upgraded security algorithms
- Allowed/blocked user lists
- New options if destination file exists
- Ability to enforce more PGP operations

Speed up self-service file transfers



- New web interface for internal business users to perform interactive self-service transfers
- Actions include upload/download multiple files, view B2B folders

New File Transfer Capabilities



- Automatic generation of welcome emails with temporary credentials
- Passwords automatically generated complying to policies
- Passwords must be changed at the first login



Automate external partners onboarding



- Enhanced file exchange web interface experience
- Easier navigation, tree view, uploading/downloading multiple files
- Partners can apply their branding



Enhance external users' web experience



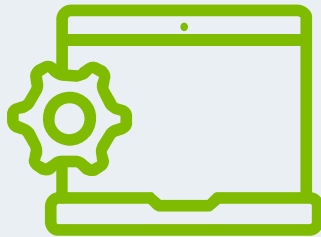
- Multiple MFT/E sites for a single platform
- One site per Control-M server (location, business unit, department)
- Site-specific branding, users/groups, folders, rules, settings



MFT/E multi-sites support



Control-M Agent



New Agent includes AI and AAPI CLI

Supports VB\PS\Perl\Python embedded scripts

```
#!C:\WINDOWS\system32\WindowsPowerShell\v1.0\powershell.exe .....
```

Support multiple IP addresses for a hostname

External Java



All Control-M component installations no longer bring and install a JRE



Customers must provide path to local/network path where a supported JRE is installed (For windows: only local drive JRE installations are supported)



The path must be specified also during the Automatic Deployment of agents and components from CCM



Path must contain the “release” file



Java version must be 11.0.12 through 11.0.99 – Java 11 is only JRE supported



For automated install, user must:

```
set BMC_INST_JAVA_HOME=<path to JRE HOME DIR>
```

Supported external Java vendors

Windows x86 64

- Azul Systems
- Eclipse Foundation
- Oracle Corporation
- Microsoft

Linux x86 64

- Azul Systems
- Eclipse Foundation
- Oracle
- Red Hat
- Ubuntu

Solaris

- Bellsoft
- Oracle Corporation

AIX

- IBM

Linux ppc64le

- Eclipse Foundation

Linux s390x

- Eclipse Foundation

32 Integration Factory Plug-Ins so far



AWS Batch



AWS Step Functions



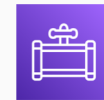
AWS Glue



AWS Glue DataBrew



AWS EMR



AWS Data Pipeline



AWS QuickSight



AWS EC2



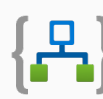
AWS Sagemaker



Azure Data Factory



Azure Batch



Azure LogicApps



Azure HDInsight



Azure Synapse



Azure Databricks



Azure Functions



Azure Virtual Machine



Azure Machine Learning



Google Dataflow



Google Dataproc



Google BigQuery



Google Virtual Machine



Informatica Cloud Services



Databricks



Microsoft Power BI



Snowflake



Talend Data Management



Boomi Atomosphere



Automation Anywhere



UiPath



Qlik Cloud



Alteryx Trifacta



Communication Suite



GCP Batch

New in March!!



Micro Focus



More coming soon!

Communication Suite Integration

Key Characteristics



Main Capabilities

- Send message to WhatsApp number
- Send message to Telegram bot
- Send message to Teams channel
- Send message to Slack Channel



Authentication

- Depending on service



Deployment

Control-M:

- EM 20.200
- Agent 20.200
- AI 20.200
- AAPI 20.115

Platform

- Linux
- Windows

Delivery

- AAPI

Limitation per Agent

- 1 MB sysout

Communication Suite Parameters

General | **Scheduling** | Prerequisites | Actions

Job type: Communication Suite

Job name: Communication Suite_Job_2

Description: [Text Area]

Run as dummy:

Where

Control-M server: dba-tlv-vdl1mp

Host/Host group: dba-tlv-vdl1mp

What

Connection profile: COMM_SUITE

Application: Microsoft Teams

Teams Parameters: {"name": "Status", "value": "Not"} [Text Area]

Parent folder: Folder_1

Application: Available options

Sub application: Available options

Variables: +

Advanced: v

General | **Scheduling** | Prerequisites | Actions

Job type: Communication Suite

Job name: Communication Suite_Job_2

Description: [Text Area]

Run as dummy:

Where

Control-M server: dba-tlv-vdl1mp

Host/Host group: dba-tlv-vdl1mp

What

Connection profile: COMM_SUITE

Application: Slack

Slack Parameters: {"blocks": [{"text": "Slack Parameters"}]} [Text Area]

Parent folder: Folder_1

Application: Available options

Sub application: Available options

Variables: +

Advanced: v

General | **Scheduling** | Prerequisites | Actions

Job type: Communication Suite

Job name: Communication Suite_Job_2

Description: [Text Area]

Run as dummy:

Where

Control-M server: dba-tlv-vdl1mp

Host/Host group: dba-tlv-vdl1mp

What

Connection profile: COMM_SUITE

Application: WhatsApp

Whatsapp Parameters: {"text": "WhatsApp Parameters"} [Text Area]

Parent folder: Folder_1

Application: Available options

Sub application: Available options

Variables: +

Advanced: v

General | **Scheduling** | Prerequisites | Actions

Job type: Communication Suite

Job name: Communication Suite_Job_2

Description: [Text Area]

Run as dummy:

Where

Control-M server: dba-tlv-vdl1mp

Host/Host group: dba-tlv-vdl1mp

What

Connection profile: COMM_SUITE

Application: Telegram

Telegram Parameters: The job finished successfully orderid: %%ORDERID [Text Area]

Disable Notification:

Protect Content:

Parent folder: Folder_1

GCP Batch

Key Characteristics



Main Capabilities

- Run a Script job type
- Run a container job type
- Configure which resources should run the job.



Authentication

- Service Account
- IAM



Deployment

Control-M:

- EM 20.200
- Agent 20.200
- AI 20.200
- AAPI 20.115

Platform

- Linux
- Windows

Delivery

- AAPI

Limitation per Agent

- 1 MB sysout

Batch Job Definition Parameters

Script Job Type

General Scheduling Prerequisites Actions

General

Job type: GCP Batch

Job name:

Description:

Run as dummy:

Where

Control-M server: dba-tlv-vd11y

Host/Host group:

What

Connection profile:

Click the browse button (***) to see all available entities, or type a specific entity name. Search by typing a partial name followed by an asterisk (*) and then click the browse button.

Don't show again

Override Account Region?

Job Name:

Priority:

Runnable Type:

Task Script Text:

Machine Configuration

CPU:

Memory:

Maximum Retry Count:

Instance Policy:

Machine Template:

Logs Policy:

Use Advanced JSON Format:

Status Polling Frequency:

Parent folder:

Application:

Sub application:

Machine Configuration

CPU:

Memory:

Maximum Retry Count:

Instance Policy:

Machine Type:

Provisioning Model:

Logs Policy:

Use Advanced JSON Format:

Status Polling Frequency:

Parent folder:

Application:

Sub application:

Batch Job Definition Parameters

Container Job Type

General | Scheduling | Prerequisites | Actions

Job type: GCP Batch

Job name: Container job

Description:

Run as dummy:

Where

Control-M server: dba-tlv-vd11y

Host/Host group: Available options

What

Connection profile: BATCH

Click the browse button () to see all available entities, or type a specific entity name. Search by typing a partial name followed by an asterisk (*) and then click the browse button.

Don't show again

Override Account Region?:

Job Name: Container1

Priority: 99

Runnable Type: Container

Container Image URL: alpine:latest

Runnable Type: Container

Container Image URL: alpine:latest

Container Image URL: alpine:latest

Entry Point:

Override Commands: Yes

Commands: "echo","hello world"

Container Volumes:

Machine Configuration

CPU: 1000

Memory: 1000

Maximum Retry Count: 0

Instance Policy: Machine Type

Machine Type: e2-micro

Provisioning Model: Standard

Logs Policy: Cloud Logging

Use Advanced JSON Format:

Status Polling Frequency: 10

Micro Focus

Key Characteristics



Main Capabilities

- Trigger a JCL in Micro Focus JES via the MFBSIJCL utility
- Monitor the JOB that was triggered
- Returning the SYSOUT to the output window
- Restarting Jobs based on their JOBID
- Restarting jobs at specific steps
- Restarting the jobs based on a modified temporary JCL



Authentication

OS User Based



Deployment

Control-M:

- EM 20.200
- Agent 20.200
- AI 20.200
- AAPI 20.115

Platform

- Linux
- Windows

Delivery

- AAPI

Limitation per Agent

- 3 MB sysout

Micro Focus Job Definitions

Linux

Summary Edit Notes

General Scheduling Prerequisites Actions

Job type Micro Focus Linux

Job name IEFBR14

Description

Run as dummy

Where

Control-M server dba-tlv-via8yk

Host/Host group clm-tlv-vvd8ro

What

Connection profile NCF

JCL File Name iefbr14

PDS

Enable JCL Variables

Additional Variables

Items

DEF=GHI

GHI=JKL

ABC=DEF

Windows

Summary Edit Notes

General Scheduling Prerequisites Actions

Job type Micro Focus Windows

Job name Windows_IEFBR14

Description

Run as dummy

Where

Control-M server dba-tlv-via8yk

Host/Host group vw-isr-dbabl019

What

Connection profile NCUMFW

JCL File Name iefbr14

PDS MYNEWLIBRARY

JCL Variables

Enable JCL Variables

Additional Variables

Items

IOJDD=1383UG

OOPD=193UN

Rerun

Summary Job Settings Log Output Micro Focus Linux

General Scheduling Prerequisites Actions

ABC=DEF

Restart on Rerun

From Step/Proc

To Step/Proc

Restart Options

Recapture Abend Codes Ignore

Recapture Condition Codes Ignore

Auto Adjust Restart Ignore

Step-specific Condition Codes

Set MF_UCC11 Ignore

Advanced Restart Parameters

Rerun Job ID

Modified JCL Restart

Restart With Modified JCL No

Parent folder No

Application ncu

Sub application microfocus

Variables

Sie haben Fragen oder
Wünsche?

Melden Sie sich gerne bei Ihrem
Accountmanager oder unter
events@apsware.com