Software AG Command Central Supported Features Matrix

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Product Support for Core Functions

Release numbers indicate the first release in which the function was supported by the product.
Clear cells indicate that the function is not supported by the product.
Grey cells indicate that the function is not applicable for the product.

Product	Install	Fixes	Keys	Database	Lifecycle	KPIs	Logs	Config	Migration	Assets
ActiveTransfer	9.8	9.8	9.12	10.1	9.12		9.12	9.12	10.1	
Adabas LUW			6.7							
Adabas Analytics Server LUW			2.2.1							
AgileApps					10.11					
Alfabet										
Apama	9.10	9.10	9.10		9.10	9.10	9.10	9.10		
Apama Adapters	9.10	9.10								
Apama Predictive Analytics Engine	10.0	10.0								
Predictive Analytics Plugin for Apama	10.0	10.0								
API Gateway	10.0	10.0			10.1					
API Portal	10.3	10.3								
Application Platform	10.1	10.1						9.9	10.0	
ApplinX			10.3							
ARIS / ARIS GRC										
ARIS PPM					9.12 - 10.1	9.12 - 10.1	9.12 - 10.1			
Asset Build Environment	9.10	9.10								
webMethods Broker	9.6	9.6			9.0	9.0		9.0		
Business Rules	9.8	9.8	9.7	9.8	9.6			9.8	9.10	
Business Console	10.1	10.1								
CentraSite	10.2	10.1			9.0					
CloudStreams	9.12	9.12	9.12		9.12		9.12	9.12	9.12	
Command Central	9.8	9.8	9.0		9.0	9.0	9.6	9.0	9.10	
Content Adapters	9.8	9.8								
Content Service Platform**										
Database Component Configurator	9.8	9.12								
Product	Install	Fixes	Keys	Database	Lifecycle	KPIs	Logs	Config	Migration	Assets
Deployer	9.8	9.12								
Designer Services	10.2	10.2								
Digital Event Persistence	10.1							9.10		
Digital Event Services	9.12	9.12	10.2					9.12	10.1	10.1
Dynamic Business Orchestrator	10.1	10.1								
EntireX Broker (on LUW)	10.1	10.1	10.1		9.9	9.9	9.9	9.9		
EntireX Mainframe Broker						10.3				
EntireX RPC Server (on LUW)	10.1	10.1	10.1		10.1	10.1	10.1	10.1		
Event Routing Framework	9.9	9.12			9.9		9.9	9.9	10.1	10.1
Integration Server	9.8	9.8	9.0	9.10	9.0	9.0	9.6	9.0	9.10	10.1

Product	Install	Fixes	Keys	Database	Lifecycle	KPIs	Logs	Config	Migration	Assets
Integration Server eStandards	10.1	10.1								
Integration Server Adapters	9.8	9.8						10.1*	9.10	
Integration Server BigData Driver Adapters	9.8	9.8								
Internal Data Store (formerly Event Data Store)	10.1	10.1			9.12		9.12	10.1		
MashZone NextGen	9.12	9.12	10.2		10.1	10.1	10.1	10.1	10.2	
MashZone NextGen Event Service (RTBS)	10.2	10.2			10.2		10.2	10.2		
Mediator	10.0	10.0								
webMethods Microgateway										
Mobile Suite	9.12	9.12								
Monitor	9.8	9.8		9.10				9.7	9.10	
My webMethods Server	9.8	9.8		9.10	9.0	9.0	9.9	9.0	9.10	10.1
Natural Engineer										
Natural Screen Tester			1.3							
OneData	10.2		10.2		9.0	9.0	9.6	9.8		
Product	Install	Fixes	Keys	Database	Lifecycle	KPIs	Logs	Config	Migration	Assets
Optimize Analytic Engine	9.9			9.10	9.9		10.0	10.0		
Optimize Infrastructure Data Collector	9.8	9.8			9.0	9.0	9.6	10.0	10.0	
Optimize User Interface	9.8	9.8					10.0	9.8	9.10	
Optimize Web Service Data Collector	9.10				9.10		9.12	10.0		
Platform Manager	9.8	9.7			9.0	9.0	9.6	9.0		
Process Engine	9.8	9.8		9.10					9.10	
Task Engine	9.8	9.8		9.10			9.8	9.8	9.10	10.1
Terracotta BigMemory	9.8	9.8	9.8		9.8	9.8	9.8	9.8	9.10	
Terracotta DB	10.1	10.1			10.1		10.1			
Test Suite	9.12	9.12	9.12							
Trading Networks	9.12	9.12		9.10				10.2	9.10	10.3
Universal Messaging	9.8	9.8	9.5		9.5	9.5	9.7	9.7	9.10	
Locate	10.2									
Zementis Server	10.2				10.3		10.3	10.3		
Zementis Plugins	10.2									
IS Package for Zementis	10.2									

* Supported for webMethods Adapter for JDBC

** Content Service Platform is removed from release 10.2

Product Support for Other Functions

Active Transfer

Configuration Type	ID	First Product Release
Port settings	COMMON-PORTS	9.12

Adabas-LUW (ADA)

Configuration ID	Description	First Product Release
COMMON-LICENSE	for License Metering only (no CCE GUI)	6.7
COMMON-LICLOC	for License Metering only (no CCE GUI)	6.7

Adabas Analytics Server LUW (EAL)

Configuration ID	Description	First Product Release
COMMON-LICENSE	for License Metering only (no CCE GUI)	2.2.1
COMMON-LICLOC	for License Metering only (no CCE GUI)	2.2.1

Apama

Configuration ID	Description	First Product Release
COMMON-COMPONENT-ENDPOINTS	(dashboard server only)	9.10
COMMON-LICENSE	(correlator only)	9.10
COMMON-LICLOC	(correlator only)	9.10
COMMON-MEMORY	(dashboard server only)	9.10
COMMON-PORTS		9.10
APAMA-ARGS	Extra cmd line args	9.10
APAMA-ENVVAR	Environment vars	9.10
APAMA-ENGINE-CONNECT	For defining connections between correlators	9.12
APAMA-CORRELATOR-INITIALIZE	For injecting/sending Not supported in 10.2 and higher	9.12
APAMA-CORRELATOR-APP-MONITORING	For adding correlator sub-components representing status of customer's application (and for 10.0+ also connectivity plugins)	9.12
APAMA-PROP-OVERRIDES	For overriding configuration properties specified in the application source (connectivity, JMS, Terracotta, etc.) in order to deal with dev vs. prod differences.	10.2

KPI Type	Description	First Product Release
Correlator - Slowest Input Queue	Input queue size of slowest context	9.12
Correlator - Slowest Output Queue	Output queue size of slowest receiver	9.12
Correlator - Memory	Resident memory usage	9.12
<user-defined>	Correlator sub-component for user-defined KPIs for application or (10.0+) connectivity	9.12
IAF - Receive rate	Receive rate	9.12
IAF - Sent rate	Sent rate	9.12
IAF - Memory	Resident memory usage	9.12
Dashboard server - Avg trend table qry	Average instance table query (seconds)	9.12
Dashboard server - Avg instance tbl qry	Average trend table query (seconds)	9.12
Dashboard server - Memory	Memory (JVM heap used)	9.12

Application Platform

Configuration Type	First Product Release
System properties	9.9

webMethods Broker*

Configuration Type	First Product Release
Licenses	9.0
Ports	9.0

*webMethods Broker is deprecated beginning with 10.2

Business Rules

Configuration Type	ID	Description	First Product Release
Licenses			9.7
Endpoints	COMMON-COMPONENT-ENDPOINTS	Integration Server targets for Hot Deployment	9.8
REST endpoints	BRMS_REST_ENDPOINT	Business verification REST server configuration	9.10
Provider Service	BRMS_REST_ENDPOINT_DATA_PROVIDER	Data provider REST service configuration	9.12
Auditing	AUDITING	Auditing configuration	10.2
Principal Types	PRINCIPAL_TYPES	Principal types configuration	10.2

Command Central

Configuration Type	ID	First Product Release
Authentication (deprecated from 10.0)	COMMON-JAAS	9.0
Authentication Realms	COMMON-JAAS-REALMS	9.12
Groups	SIN-INTERNAL-GROUPS	9.0
JVM options	COMMON-JVM-OPTIONS	9.10
Java system properties	COMMON-JAVASYSPROPS	10.0
LDAP	COMMON-LDAP	9.9
License	COMMON-LICENSE	9.0
Memory	COMMON-MEMORY	9.7
Ports	COMMON-PORTS	9.0
Properties	COMMON-SYSPROPS	9.5
Proxy	COMMON-PROXY	9.7
Security Roles	SIN-INTERNAL-ROLES	9.0
Internal Users	COMMON-LOCAL-USERS	9.7
Logs	COMMON-LOG	9.0
Credentials	COMMON-CREDENTIALS	10.0
Layer Types	CCE-LAYER-TYPES	10.0

KPI Type	Description	First Product Release
JVM CPU Load	CCE JVM average CPU load	9.0
JVM Memory	CCE JVM memory consumption	9.0
JVM Threads	CCE JVM number of threads	9.0

Migration Type	First Product Release
New installation directory, same hosts, ports	9.10
New installation directory, ports, same hosts	9.10
New hosts	9.10
New data center	9.12

Digital Event Persistence (for Digital Event Services)

Configuration Type	First Product Release
Event Persistence for Elasticsearch 2.3.2	10.0
Event Persistence for CDH HDFS 5.3	10.0

Digital Event Services

Configuration Type	First Product Release
Event persistence	10.0
Event type associations	9.12
Messaging services	9.12
Runtime	9.12
Service groups	9.12
Key and trust stores	10.2

EntireX Broker (on LUW)

Configuration Type	First Product Release
Application monitoring	9.10
Attributes	9.9
Autostart	9.9
Licenses	10.1
Loggers	9.9
Ports	9.9
PStore	9.10
Security	9.10
Trace level	9.10

KPI Type	Description	First Product Release
Clients	Number of active clients	9.9
Servers	Number of active servers	9.9
Conversations	Number of active conversations	9.9

Administration Type	First Product Release
Services	9.10
Trace	9.10

EntireX Mainframe Broker

KPI Type	Description	First Product Release
Clients	Number of active clients	10.3
Servers	Number of active servers	10.3
Conversations	Number of active conversations	10.3

Administration Type	First Product Release
Services	10.3

EntireX RPC Server (on LUW)

Configuration Type	Description	First Product Release
Broker		10.1
Licenses		10.1
Server		10.1
Trace		10.1
Classpath	only for RPC Server for Java	10.1
Package mapping	only for RPC Server for Java	10.1
Library Locations	only for RPC Server for C	10.1
MQ	only for RPC Server for MQ	10.1
IMS Connect	only for RPC Server for IMS Connect	10.1
.NET	only for RPC Server for .NET	10.1
Deployment	only for RPC Server for XML SOAP	10.1
HTTP(S)	only for RPC Server for XML SOAP	10.1
XML Mapping Files	only for RPC Server for XML SOAP	10.1

KPI Type	Description	First Product Release
Active Workers	Number of active workers	10.1
Busy Workers	Number of busy workers	10.1

Administration Type	First Product Release
Trace	10.1

Event Persistence (for Event Routing)

Configuration Type	First Product Release
Event Persistence for Elasticsearch 2.3.2	9.12
Event Persistence for Elasticsearch 1.7.2	only in 9.12
Event Persistence for CDH HDFS 5.3	9.12

Event Routing Framework

Configuration Type	First Product Release
Event persistence	9.9
Event type associations	9.9
Messaging services	9.9
Runtime	9.9
Service groups	9.9

Integration Server and Microservices Runtime

Configuration Type	ID	First Product Release
Cluster	COMMON-CLUSTER	9.7
Database	COMMON-JDBC	9.5
Database functional aliases	COMMON-DBFUNCTION	9.5
JMS aliases	COMMON-JMS	9.5
JNDI aliases	COMMON-JNDI	9.5
JVM options	COMMON-JVM-OPTIONS	9.10
Java System Properties	COMMON-JAVASYSPROPS	10.0
Java Service Wrapper	COMMON-JSW	10.1
Common Log	COMMON-LOG	9.0
Keystores	COMMON-KEYSTORES	9.5
LDAP	COMMON-LDAP	9.9
Licenses	COMMON-LICENSE	9.0
Loggers	COMMON-LOGGERS	9.6
Memory	COMMON-MEMORY	9.7
Ports	COMMON-PORTS	9.0
Proxy	COMMON-PROXY	9.8
Remote servers	COMMON-COMPONENT-ENDPOINTS	9.8
SMTP settings	COMMON-SMTP	9.5
Extended Settings	COMMON-SYSPROPS	9.5
Truststores	COMMON-TRUSTSTORES	9.5
Users	COMMON-LOCAL-USERS	9.7
Global Variables	COMMON-VARS	9.6
webMethods messaging	COMMON-WMMESSAGING	9.6
Admin UI link	COMMON-ADMINUI	9.0
JAAS Realms	COMMON-JAAS-REALMS	10.1
License Location	COMMON-LICLOC	9.0

Resources Settings	IS-RESOURCES	9.6
Provider Web service endpoint alias	IS-PROVIDER-ENDPOINTS	9.7
Consumer Web service endpoint alias	IS-CONSUMER-ENDPOINTS	9.7
Quiesce Port ID	IS-QUIESCEPORT	9.6
Primary Port ID	IS-PRIMARYPORT	9.0
WmPublic File Access Control Configuration	IS-FILEPERMISSION	9.7
Default webMethods Messaging Alias	IS-DEFAULT-WMMESSAGING	9.6
Extended Settings with update/delete /override functionality through CC template	IS-SYSPROPS	10.2

Migration Type	First Product Release
Same installation directory, hosts, ports, db	9.10
New installation directory, same hosts, ports, db	9.10
New installation directory, ports, same hosts, db	9.10
New hosts, cloned db	9.12
New data center	9.12

Internal Data Store (formerly Event Data Store)

Configuration Type	ID	Description	First Product Release
Cluster	COMMON-CLUSTER		10.1
Ports	COMMON-PORTS		10.1
Keystores	COMMON-KEYSTORES		10.1
Truststores	COMMON-TRUSTSTORES		10.1
Properties	CUSTOM-PROPERTIES	Edit elasticsearch.yml file	10.1

MashZone NextGen

Configuration Type	First Product Release
MashZone Properties	10.1
Presto Config	10.1
Java Service Wrapper	10.1
Java System Properties	10.1
Memory	10.1
Keystores	10.2
License Keys	10.2
Ports	10.2
Truststores	10.2

KPI Type	Description	First Product Release
Heap Memory	The actually used heap memory of the JVM	10.1
Running Calculation	The number of currently running feed calculations	10.1
Calc. Queue Size	The number of waiting feed calculations in the queue	10.1

MashZone NextGen Event Service (RTBS)

Configuration Type	First Product Release
MashZone RTBS Core Properties	10.2
MashZone RTBS HA-Store Properties	10.2
MashZone RTBS Zookeeper Properties	10.2
Keystores	10.2
Other (Cluster configuration)	10.2
Ports	10.2
Truststores	10.2

Configuration Types – DES Component	First Product Release
Event Persistence	10.2
Event Types	10.2
Keystores	10.2
Messaging Services	10.2
Runtime Configuration	10.2
Service Groups	10.2
Truststores	10.2

Monitor

Configuration Type	First Product Release
Endpoints	9.7

My webMethods Server

Configuration Type	First Product Release
Cluster	9.7
Database	9.0
Endpoints	9.8
JVM options	9.10
Keystores	9.5
Memory	9.7

Ports	9.0
Proxy	9.7
SMTP settings	9.5
System Properties	9.8
Truststores	9.5
Internal Users	9.7
Variables	9.7
LDAP	10.2

Migration Type	First Product Release
Same installation directory, hosts, ports, db	9.10
New installation directory, same hosts, ports, db	9.10
New installation directory, ports, same hosts, db	9.10
New hosts, cloned db	9.12
New data center	9.12

OneData

Configuration Type		First Product Release
Ports	COMMON-PORTS	9.0
JVM Options	COMMON-JVM-OPTIONS	9.0
Memory	COMMON-MEMORY	9.0
Java System Properties	COMMON-JAVASYSPROPS	9.0
Java Service Wrapper	COMMON-JSW	9.0
License Location	COMMON-LICLOC	10.2
Repository	Repository	10.2
Loggers	COMMON-LOGGER	9.0
Databases	COMMON-JDBC	10.2

Optimize Analytic Engine

Configuration Type	First Product Release
Event Routing (event persistence, event type associations, messaging services, runtime configuration, service groups)	9.9
Clustering	10.0
Email	10.0
Endpoints	10.0
Databases	10.0
Functional Aliases	10.0

JNDI	10.0
Logging	10.0
Properties	10.0

Optimize Infrastructure Data Collector

Configuration Type	ID	First Product Release
Java System Properties	COMMON-JAVASYSPROPS	10.0
Java Service Wrapper	COMMON-JSW	10.1
Common Jvm Options	COMMON-JVM-OPTIONS	9.10
Common Log	COMMON-LOG	9.6
Memory	COMMON-MEMORY	9.7
Port Settings	COMMON-PORTS	9.0
System Properties	COMMON-SYSPROPS	9.9
Endpoints	COMMON-COMPONENT-ENDPOINTS	10.0
Common JNDI	COMMON-JNDI	10.0
Adabas SOA Gateway Settings	IDC-ADABAS-SETTING	10.0
Apama Settings	IDC-APAMA-SETTING	10.0
webMethods Broker Settings	IDC-BROKER-SETTING	10.0
Com-plete Settings	IDC-COM-PLETE-SETTING	10.0
Digital Event Services Settings	IDC-DES-SETTING	10.0
EntireX Settings	IDC-ENTIREX-SETTING	10.0
ETS Settings	IDC-ETS-SETTING	10.0
Event Routing Framework Settings	IDC-EVENTROUTING-SETTING	10.0
Integration Server Settings	IDC-IS-SETTING	10.0
Java Management Extensions Settings	IDC-JMX-SETTING	10.0
My webMethods Server Settings	IDC-MWS-SETTING	10.0
MashZone NexGen Settings	IDC-MZNG-SETTING	10.0
Presto Settings	IDC-PRESTO-SETTING	10.0
Collector Settings	IDC-SETTING	10.0
Terracotta Settings	IDC-TC-SETTING	10.0
Universal Messaging Server Settings	IDC-UM-SETTING	10.0
Universal Messaging Cluster Settings	IDC-UMCLUSTER-SETTING	10.0

KPI Type	Description	First Product Release
JVM CPU Load	CPU Usage	9.0
JVM Memory	System Memory Usage	9.0
JVM Threads	Threads in the JVM	9.0

Migration Type	First Product Release
Same installation directory, hosts, ports, db	9.10
New installation directory, same hosts, ports, db	9.10
New installation directory, ports, same hosts, db	9.10
New hosts, cloned db	9.12
New data center	9.12

Optimize User Interface

Configuration Type	First Product Release
Endpoints	9.8

Optimize Web Service Data Collector

Configuration Type	First Product Release
Endpoints	10.0
JNDI	10.0
Logging	10.0
Properties	10.0

Platform Manager

Configuration Type	ID	First Product Release
Authentication (deprecated from 10.0)	COMMON-JAAS	9.0
Authentication Reams	COMMON-JAAS-REAMS	9.12
User Groups	SIN-INTERNAL-GROUPS	9.0
JVM Options	COMMON-JVM-OPTIONS	9.10
Java system properties	COMMON-JAVASYSPROPS	9.12
Memory	COMMON-MEMORY	9.7
Node Id	SPM-NODEID	9.0
Ports	COMMON-PORTS	9.0
Properties	COMMON-SYSPROPS	9.6
Proxy	COMMON-PROXY	9.8
Security Roles	SIN-INTERNAL-ROLES	9.0
Internal Users	COMMON-LOCAL-USERS	9.7
LDAP (deprecated from 10.0)	COMMON-LDAP	9.10
Logging	COMMON-LOG	9.7
Java Service Wrapper	COMMON-JSW	9.12

KPI Type	Description	First Product Release
Host CPU Load	Host machine CPU usage	9.0
Host Memory	Host machine system memory usage	9.0
Host Disk Space	Host machine disk space usage	9.0

Administration Type	First Product Release
Plugins information	9.12

Process Performance Manager

PPM had Command Central support for marked column in 9.12 - 10.1 (removed in 10.2 with the change to ARIS Installer)

KPI Type	Description	First Product Release
JVM CPU Load	CPU usage	9.12
JVM Memory	Used heap (including garbage)	9.12
JVM Old Gen Memory	Collection usage of old generation memory pool	9.12
JVM Threads	Threads in the JVM	9.12

Task Engine

Configuration Type	First Product Release
Endpoints	9.8

Terracotta BigMemory

Configuration Type	ID	Description	First Product Release
Ports	COMMON-PORTS		9.8
Licenses	COMMON-LICENSE		9.8
Cluster	COMMON-CLUSTER		9.8
Memory	COMMON-MEMORY		9.8
Server Name	TC-SERVER-NAME	Terracotta server name	9.8
TC-Config	TC-CONFIG	Terracotta server configuration file	9.8

KPI Type	Description	First Product Release
LiveObjectCount	Live Object Count	9.8
WriteOperationRate	Write Operation Rate	9.8
Offheap	Offheap Usage	9.8

Administration Type	First Product Release
Runtime instance creation	Not supported
Log Access	9.8

Terracotta DB

Configuration Type	ID	Description	First Product Release
Server Name	TC-SERVER-NAME	Terracotta server name	10.1
JVM Options	JVM-OPTIONS	JVM Options for Terracotta server	10.1

Administration Type	First Product Release
Runtime instance creation	Not supported
Log Access	10.1

Trading Networks Server & Trading Networks Portal

Configuration Type	ID	First Product Release
TN Server Configuration	TN-SERVER-CONFIGURATIONS	10.2
Extended Settings	COMMON-SYSPROPS	10.2

Universal Messaging

Configuration Type	ID	First Product Release
Channels	UM-CHANNELS	9.12
Cluster	COMMON-CLUSTER	9.7
JNDI Connection Factories	UM-JNDI-CF	9.10
JNDI Destinations	UM-JNDI-DEST	9.10
Groups	UM-GROUPS	10.1
Licenses	COMMON-LICENSE	9.5
Licenses	COMMON-LICLOC	9.5
Memory	COMMON-MEMORY	9.7
Queues	UM-QUEUES	10.0
Realm Configuration Properties	COMMON-SYSPROPS	9.9
Realm ACLs	UM-REALM-ACL	10.0
Ports	COMMON-PORTS	9.5
Tanuki wrapper properties	COMMON-JAVASYSPROPS	9.12
JVM options	COMMON-JVM-OPTIONS	10.2
Users	COMMON-LOCAL-USERS	9.7

Zones	UM-ZONE	10.1
Configuration Type Metadata	COMMON-CONFIGURATION-TYPE-METADATA	10.3

Administration Type	First Product Release
Channel monitoring	9.12
Queue monitoring	9.12
Durable subscribers monitoring and deletion	9.12
Durable subscribers events browsing and deletion	10.0

Migration Type	First Product Release
Same installation directory, hosts, ports	9.10
New installation directory, same hosts, ports	9.10
New installation directory, ports, same hosts	9.10
New hosts	9.12
New data center	9.12

Zementis Server

Configuration Type	ID	First Product Release
License Location	COMMON-LICLOC	10.3
Licenses	COMMON-LICENSE	10.3

Administration Type	First Product Release
Log Access	10.3
Lifecycle Actions	10.3

Command Central Feature Availability

The table below shows the first release in which Command Central supported each listed feature.

Operating and Monitoring Product Installations	First Product Release
Add existing installations that have Platform Manager installed to the managed landscape	9.0
List and compare installed products and fixes	9.0
Monitor the runtime status and KPIs of runtime components	9.0
Start, stop, restart, and search for runtime components	9.0
View and compare configurations	9.0
Access logs of run-time components	9.7
Manage run-time component attributes	9.7
Trusted outbound authentication for managed products	9.8
Trusted outbound authentication for Platform Manager	9.12
Configuring and Maintaining Product Installations	**First Product Release**
Install and uninstall fixes from images and master repositories	9.7
Install fixes from local mirror repositories	9.8
Install fixes using Fix ID, e.g. Product_10.3_Fix2	10.3
Install and uninstall support patches	9.8
Configure runtime instances	9.7
Runtime instances administration	9.10
Creating Product Installations	**First Product Release**
Bootstrap new remote installations	9.8
Install products from master, mirror, and image repositories	9.8
Create instances	9.12
Database schema management	9.10 (no UI)
Template-Based Provisioning using Composite Templates	**First Product Release**
Provision or update product environment	9.8
Create or update database schemas	9.10
Call external scripts	9.10
Install and uninstall support patches	9.12
Upgrading and Migrating Product Installations using Composite Templates	**First Product Release**
Upgrade product environment on the same hosts using composite templates	9.10
Migrate product environment onto new hosts using composite templates	9.12
Replicate product installation	9.12
Replicate fix installation	9.12

Run product migration utility	9.12
Run database migration utility	9.10
Cross-host migration	9.12
Cross-datacenter migration	9.12
Template Development	**First Product Release**
Export single configuration as YAML	10.1
Export runtime instance configurations as YAML	10.3 (no UI)
Asset Lifecycle - DEVELOPER PREVIEW	**First Product Release**
FlatFile asset repository support	10.1
Git asset repository support	10.1
Asset deployment, inventory and undeployment (push model)	10.1 (no UI)
Stacks - DEVELOPER PREVIEW	**First Product Release**
Create Stacks from existing landscape	9.8
Provision new 9.8+ Stack, layer-by-layer	9.8
Layer definitions using micro templates	10.1
Compare layer runtimes	10.1 (limited)
Containers Support	**First Product Release**
Run Command Central as a container	10.1
Develop and test templates using Docker containers	10.1
Build product Docker images	10.1
Expose landscape monitoring state to Prometheus	10.3