```
##############################################################################

Load OpenScape FM V9 R1.10.20

Load Prerequisite OpenScape FM: OpenScape FM V9 R1.10
------------------------------------------------------------------------------
Release Date: 18.01.2019
Tested with: Java Oracle 1.8.0_181 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is provided as a full installer and contains all
      changes and fixes of previous patches

List of fixes and changes
------------------------------------------------------------------------------
Fixes:
-----------
1.) NA16256089 - INC000000130126 The representation of the "HTTPS" connection
                 in OSFM V9R1.10.18 is incorrect on different objects - fixed
2.) NA16257643 - INC000000130127 No licenses used for OSV will be displayed
                 in the license overview at OSFM V9 - fixed
3.) NA16257900 - INC000000130128 Status change for events in field "Acknowledge"
                 not possible! - fixed
4.) NA16276668 - INC000000130557 Event types will be reset to original value
                 after restart OSFM service. - fixed
5.) NA16276641 - INC000000130556 It is not possible to set up a "maintenance
                 Windows" in OSFM V9R1.10.17. - fixed

6.) Sometimes the client does not respond for some seconds - fixed
7.) The client menu action to delete a user does not work as expected - fixed
8.) The DB Cleantup for the object_status export table was not working - fixed


Changes:
-------------
1.) The object search supports the search for an object comment now
2.) Status for unnecessary obejcts will not be exported anymore
3.) The timeout for the DB Cleanup was increased from 1 to 23 hours

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Load OpenScape FM V9 R1.10.19

Load Prerequisite OpenScape FM: OpenScape FM V9 R1.10
------------------------------------------------------------------------------
Release Date: 5.12.2018
Tested with: Java Oracle 1.8.0_181 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is provided as a full installer and contains all
      changes and fixes of previous patches

List of fixes and changes
------------------------------------------------------------------------------
Fixes:
-----------
1.) NA16238190 - INC000000129098 incorrect status with OS4000 regarding
                 "HW alarm and VIP alarm" - fixed
2.) NA16228836 - INC000000129159 Although auto discovery is disabled, the
                 FM make pings - fixed
3.) NA16239893 - INC000000129160 OS4k objects are displayed twice in the
                 topology after an import via seed file - fixed
4.) Memory leak for events with duplicate format - fixed
5.) NA16259118 - INC000000130129 You can not create reports for the Basic
                 Monitoring and Capacity Management in the OSFM.
                 Database connection blocked during server start - fixed
6.) Ece: Ece PassOnMatch node prevent in some circumstances the OSFM
```

```
                from starting - fixed
7.) NA16300855 - Minor alarms from a CMI base station are not
                  completely acknowledged despite an acknowledge message!
     Aka        - Alarm events of OS4K assistants do not correlate with
                  those of the OS4k manager - fixed


Changes:
-------------
01.) EPM: Always display menu item for activating/deactivating Enterprise Mib
     Definition even if license is exceeded.

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Load OpenScape FM V9 R1.10.18

Load Prerequisite OpenScape FM: OpenScape FM V9 R1.10
--------------------------------------------------------------------------------
Release Date: 09.11.2018
Tested with: Java Oracle 1.8.0_181 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is provided as a full installer and contains all
      changes and fixes of previous patches

List of fixes and changes
--------------------------------------------------------------------------------
Fixes:
-----------
1.) NA16065365 - INC000000125214 Incorrect login to PM from the homepage of OSFM.
                                 Problem to login in the PM with restricted user rights -
fixed
2.) NA16095350 - INC000000126049 Import of object data via the "seed: function not
possible - fixed
3.) NA16101077 - INC000000126156 Parameter Storage Duration doesn't work for PM  - fixed
4.) Status calculation of objects was not correct in some cases  - fixed
5.) Memory-Leak caused by duplicate event recognition - fixed
6.) ECE: ScriptNode:620 NullPointerException:
    For certain events a NullPointerException occurs in the script node. - fixed
7.) ECE: Event Counter does not allow the configuration of the event-key-format
8.) EPM: Value collecting for EPM Threshold-Object was not restarted after server restart
- fixed




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Load OpenScape FM V9 R1.10.17

Load Prerequisite OpenScape FM: OpenScape FM V9 R1.10
--------------------------------------------------------------------------------
Release Date: 08.08.2018
Tested with: Java Oracle 1.8.0_181 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is provided as a full installer and contains all
      changes and fixes of previous patches

List of fixes and changes
--------------------------------------------------------------------------------
Fixes:
-----------
01.) OSB Exceptions by older Versions - fixed
02.) ECE - Error in ECE PassOnMatch node, which could prevent the server to start  - fixed
03.) PM Reporting - Query for Monitor Reports fixed
04.) INC000000123792 / NA16022856 Configuration of OSB (ATA) getting corrupted,
```

```
        which could lead to the deletion of endpoint configuration - fixed
05.) OSV Event reaction could not be configured via "Server -> Event Types"


Changes:
-------------
01.) MariaDB Client Driver Update - Update to Version 2.2.4
02.) Apache Derby Update (Security Issue) Update to 10.14.2.0
03.) JNumWu.jar update to Version 1.1.15
03.) WMI Connection handling improved
04.) PCASNMP MIB (Peter Connect MIB) added for EPM
05.) TraceManager Configuration - Start time is now mandatory




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Load OpenScape FM V9 R1.10.13
Load Prerequisite OpenScape FM: OpenScape FM V9 R1.10
------------------------------------------------------------------------------
Release Date: 11.05.2018
Tested with: Java Oracle 1.8.0_162 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is provided as a full installer and contains all
      changes and fixes of previous patches

List of fixes and changes
------------------------------------------------------------------------------
Fixes:
-----------
01.) Threshold for OSV CAC policy (ConcCalls) was not working - fixed
02.) Script stopEventGateway was not terminating when running with IBM Java
     - fixed
03.) Shared services alarm traps in SNMPv2 format causes "unknown trap"
     messages in server.log
04.) NullPointerException in PDRegistry causes server process to terminate
     during start up

Changes:
-------------
01.) INC000000120882 / NA15934211 - Incoming and dialed numbers are created
     as Subscriber Numbers which causes license issues
     Implemented change: The Trace Manager Monitor now supports two new
     arguments (regular expressions) to filter by subscriber number:

     acceptFilter: Only data for subscriber numbers matching this expression
     are accepted.

     ignoreFilter: Only data for subscriber number not matching this
     expression are accepted.
     Example: acceptFilter=0066.*

     The new arguments can be configured by clicking "Configure" in the pop-up
     menu of the related monitor object in the Java client and navigating
     to the "Sensor" tab, or directly in the XML file.


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HotFix OpenScape FM V9 R1.10.12
HotFix Prerequisite OpenScape FM: OpenScape FM V9 R1.10
------------------------------------------------------------------------------
```

Release Date: 29.03.2018
Tested with: Java Oracle 1.8.0_162 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is also provided as a full installer and contains all
      changes and fixes of previous patches

List of fixes and changes

Fixes:

1.) OS4K Error search in System Search for multiple selection no working - fixed
2.) WSDL for OpenScape Branch updatet
3.) Problem with database export fixed
4.) Under certain circumstances, the OSFM server startup may fail with the following
    exception:
    java.lang.ArrayIndexOutOfBoundsException: -1
    at de.materna.view.database.PDLogEventManager.eventAdd(PDLogEventManager.java:428)
    ...
    - fixed
5.) User with readOnly rights could delete OS4K Alarms and Errors - fixed
6.) Object comments can be now used in ECE, Trap Forwader and MAR like property values
7.) Behaviour of Installtool changed, if an update installation, CLA configuration will be
skipped
8.) In some cases the OSFM client was not new loaded after an OSFM update.
    The allresources.jar will now reloaded in any case.
9.) In case of OS4K Manager/Assistant constellation, the MAR OS4K configuration will be
transfered to the
    managed system object.
10.) OS4K: Ip addresses of frame objects will only be used if for this frames (LTUs) no
entry in the hostAPSys exist.
     After server restart ipnodes with frames symbols appears on the highest topology
level in the navigation tree.
11.) Derby Datatabase Logfile size is now limitet to 10 MB
12.) APP4K EPM will not calculated into the EPM/SSMA Licensing

##

Patch OpenScape FM V9 R1.10.11
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10

Release Date: 03.03.2018
Tested with: Java Oracle 1.8.0_162 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is also provided as a full installer and contains all
      changes and fixes of previous patches

List of fixes and changes

Fixes:

01.) NA1578895/NC000000116661 Base: Counter of Alarm-Indication in Java-Client wrong
     Alarm counter in the Java Client does not shown the correct of events if the event
were
     manipulated in the ECE - fixed
02.) NA15795714/INC000000116845 MAR with program start did not work
     Backslashes in program path were not correctly evaluated - fixed
03.) NA15813173/INC000000117425 - Submap layout deactivation from Immutable
     to disable not possible - fixed
04.) NA15804603/INC000000118074 OSFM does not correctly discriminate between an Shared
Service
     alarm activation (status = 1) or if it is an alarm shutdown (status = 0) - fixed
05.) NA15765471/INC000000116055 Performance Management automatic import of TM data not
working

- fixed

06.) Event Gateway: Sometimes the hostnames will be not resolved - fixed
07.) Favorites could not be set with certain user group rights - fixed
08.) Status for SIP Ping Monitor was not set corrcectly in case of connection issues -
fixed
09.) OSB Monitor Registered Subscribers - No Error message by login problems - fixed
10.) OSB Monitor Registered Subscribers - Configured account not used - fixed
11.) SSMA - MailMonitor creates Status Parameter twice - fixed
12.) SSMA - Windows Eventlog Monitor, event description not complete - fixed
13.) PM table search not working correctly - fixed
14.) After updating to OSFM V9.R0.10.10 some Event types are not shown anymore - fixed
15.) PM - Invalid Timezone calculation in call search - fixed
16.) Wrong encoding in the EULA documents - fixed
17.) Unmanaged monitors creating events in the event browser - fixed
18.) ECE - Error in the example ECE OS4K Workflow (enrichment of alarm with
      the original error messages) - fixed
19.) SSMA - In some cases the "stopAgent" script under Linux does not stop the agent -
fixed
20.) Client - In some cases the correlated event checkbox in the event browser could
      not be toggled - fixed

Changes:

01.) Ping of IPNodes could be now disabled
02.) MEG trap forwarder: OIDs for additional trap variables can be now configured.
03.) Change of EPM Event configuration in the event type will be now automatically stored
in the
      EPM MIB Files
04.) Interface Container Object is now a compound object and can inherit
      status from the child objects
05.) MariaDB Client Driver Update - Update to Version 2.2.2
06.) Update DLS-TRAP-MIB with severity/reset format.

##

Patch OpenScape FM V9 R1.10.10
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10

Release Date: 19.01.2018
Tested with: Java Oracle 1.8.0_152 / IBM Java ibm-java-sdk-8.0-5.7-x86_64

Note: This patch is also provided as a full installer.

List of fixes and changes

Fixes:

01.) NA15665598/INC000000113155 - After update from V8R0.63.08 to V9R1.10.7
      the Report DB is not working - fixed
02.) NA15700673/INC000000114023 - The objects are e.g. "AN51" shown twice.
      If OS4K switch is managed by an OS4K Manager and OS4K Assistant. PBX object
      was shown twice - fixed
03.) NA15672010/INC000000114700 - Missing colon after prefix in ECE notification
      for Server2Server Events - fixed
04.) NA15730979/INC000000114978 - There is a bug in the IP Pattern Filter (ECE)
      - fixed
05.) NA15758022/INC000000116106 - ECE up/down filter is blocking events.
      The ECE Store and Delay node blocks events - fixed
06.) OS3K Alarm location change trap has wrong type format - fixed
07.) PM WEB Gui DLS Endpoints table: Paging of the endpoint not correct - fixed
08.) Memory Usage Monitor for Linux did not work on some Linux versions -fixed
09.) Vulnerability ticket notification: Apache Commons Net ftpClient.java

changeWorkingDirectory() Function CRLF Injection Remote Command Execution.
        - OSFM harded against this issue.
10.) OSV: Exeption by receiving of a hiQCdmMgShelfRebootedTrap - fixed
11.) Mime Type for ccs-file was wrong, which leads to wrong display of the
        Landing Page - fixed
12.) LogFile Checker monitor does not work correct - fixed
13.) SSM Monitor Javascript execution error in case of new IBM JAVA
        versions (e.g. 8.0-5.x) - fixed
14.) In the SSM MIB II monitor the overflow of values leads to negative values
        - fixed
15.) ECE: RetryError node does not work (NullPointer Exception) - fixed
16.) PM Data Export: Java.sql.SQLNonTransientConnectionException. Connection is
        close Exception - fixed

Changes:

01.) Object comments & Event Annotations are now avaible for email and MEG Traps
02.) Object comments can be now configured with the Seed-File
03.) Heapsize of the OSFM JVM can be now configured via the Java Client
04.) Changing of SSMA local credential behaviour improved
05.) Update of OpenScape Branch WSDL from 6.00.02 to 6.02.01
06.) Update and additions of ASC MIBs
07.) Increasing the tolarance of OSFM against not correct working SNMP Agents
        (wrong number of values for a request answer)
08.) Automatically reconnect of BIRT report engine process by restart of the OSFM server

##

Patch OpenScape FM V9 R1.10.09
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10

Release Date: 26.10.2017
Tested with: Java Oracle 1.8.0_144 / IBM Java R28_Java8_SR3_20160427_1620_B301573

Note: This patch is also provided as a full installer.

List of fixes and changes

1.) NA15663315/INC000000113154 ECE Counter Modules not working - fixed
2.) OpenScape 4K Objects Labels enhanced
3.) Server2Server Gateway: EventSource Label - Missing Prefix Delimeter - fixed
4.) ICMP Ping Library configuration for external SSMA Agent configuration - fixed

##

Patch OpenScape FM V9 R1.10.08
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10

Release Date: 12.10.2017
Tested with: Java Oracle 1.8.0_141 / IBM Java R28_Java8_SR3_20160427_1620_B301573

Note: This patch is also provided as a full installer.

List of fixes and changes

1.) THIRDP-80 OSCFM V10.R0.01 Security Vulnerability: File Path Traversal -
        No Authentication Required to Exploit
2.) THIRDP-84 OSCFM V10.R0.01 Desktop Client's Decompiled *.jar Files Include
        Cleartext Credentials for a Citrix PVS System
3.) THIRDP-86 OSCFM V10.R0.01 Security Vulnerability: Sensitive Information
        Exposure due to Server Misconfiguration
4.) Enterprise MIB: Value Collector Thresholds editor was broken
5.) PM: DLS-Endpoint-Table shows a new column "Activated" and the column

```
          "Remarks" was removed
6.) Event Gateway Trapforwarder stopps forwarding traps in case of an error
    while processing of an event. This was fixed - reconnect after 60 seconds.
7.) Traybar Icon open the new WebCLient
8.) Rename menu item "Alarm/Fehler Spiegel" to FM Snapshots in german client
9.) Status explanation shows irrelevant objects
10.)System Management: Configuration of monitored hosts is still possible
    even if license limit is exceeded
11.)New EPM Version handling. Now you can select between active and default
    epm versions



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Patch OpenScape FM V9 R1.10.07
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10
------------------------------------------------------------------------------
Release Date: 15.09.2017
Tested with: Java Oracle 1.8.0_141 / IBM Java R28_Java8_SR3_20160427_1620_B301573

Note: This patch is also provided as a full installer.

List of fixes and changes
------------------------------------------------------------------------------
1.) NA15591761 - Object representation not clear,INC000000111158
    Default status for OS4K frames was "unknown" - changed to "normal"
2.) INC000000111157/NA15591835 - LZPD / cannot delete the alarm object of a
    board alarm.
    The cause of the problem was that the alarm objects were displayed at the
    wrong location.This was corrected, all alarms will now displayed below the
    hardware unit alarm container. Deletion of these alarm object was never
    intended.
3.) NA15601568 - Password did not erase after logout from client,
    INC000000111570
4.) Comments for system management parametes are now displayed in the related
    report
5.) Problem concerning processing QoS data with missing values (null pointer
    exception)
6.) Problem concerning processing QoS data from tracemanager (value "65535"
    for delay)
7.) Language selection at PM Gui was not working
8.) SWS configuration dialog: Label for disc space requirement improved
9.) Update MariaDB driver to version 2.0.3
10.) After restarting the OSFM, Os4k assistant Icons sometimes chaged their
     status without reason to critical
11.) Right check for unacknowledge of events was missing
12.) Exception in CaC Concurrent Calls Report
13.) Compatibility problem with older mysql version solved
14.) Unnecessary event "Mac address changed" for virtual ips of Linux clusters
15.) Scrolling performance for submaps improved
16.) Unmanage/Manage Function for OSBranch Service Container
17.) Syntax error in MySql drop index statement
18.) Java Client: OS4K infobrowser -> delete of errors was not working
19.) Java Client: OS4K infobrowser -> time intervall error button causes
     exceptions
20.) After database errors it could happen that the export stops until server
     restart
21.) Workaround for syslog messages which are not conform to RFC3164 (e.g.
     Cisco Nexus)
22.) PatchTool: Fix for ZipException duplicate entry depot.zip
23.) New SSM SQL Ping Monitor for postgreSQL DB
24.) Server2Server gateway error:
     "invalidClassException: ....GWPDLogEvent; local class incompatible"
25.) Mobil Access Gateway installation issues on Linux fixed
```

26.) PM: Pathfinder Monitor exception fixed

27.) NA15570403/INC000000110530 - Trap forwarding to umbrella system
    (CEMoS) is failing - fixed

###

Patch OpenScape FM V9 R1.10.06
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10

Release Date: 07.07.2017
Tested with: Java Oracle 1.8.0_131 / IBM Java R28_Java8_SR3_20160427_1620_B301573

Note: This patch is also provided as a full installer.

List of fixes and changes

1.) Event description,severity in Event browser for some events (OSV , APP4K) were wrong
- fixed
2.) Report Center fixes

###

Patch OpenScape FM V9 R1.10.05
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10

Release Date: 09.06.2017

Note: This patch is also provided as a full installer.

List of fixes and changes

1.) NA15387252 - Wartungsfenster Objekt entfernen / Maintenance window object remove -
fixed
2.) NA15423063 - Different values of Cisco switches between PM dashboard and FM Interface
table - fixed
3.) NA15428317 - The $hostname and $sourceip variables are not evaluated correctly in the
ECE - fixed
4.) NA15416524 - Messages from OS4000 PBXs -wrong severity - fixed
5.) NA15272423 - Memory-Leak-PDLogEventManager
6.) Overflowing of Logfiles with hibernate log messages - fixed
7.) CMP: Unwanted redirect from port 3043 to port 3080 by startign the OSFM Web Client -
fixed
8.) Keystore with renewed certificate for 2017
9.) (Un)Manage function for OS Branch service container
10.) Report Center: Severity filter bug - fixed
11.) Exception if OS Branch delivers no data - fixed
12.) Adding Hipath Cordless IP MIB (HPCIP-MIB) to the EPM
13.) ECE: Matcher - Match output was not used - fixed
14.) CLA ccompatibility problem caused the OSFM not to start.
    (HPLM CSCm jars V1 R22.0.0 / Java 1.8.0_131 compatibility) - fixed
15.) Server2Server synchroniesing problems - fixed
16.) VMware Status Monitor error in hostsystem table fixed

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Patch OpenScape FM V9 R1.10.04

```
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10
-------------------------------------------------------------------------------
Release Date: 31.03.2017

Note: This patch is also provided as a full installer.


List of fixes and changes
-------------------------------------------------------------------------------
1. NA15342172 - envia TEL GmbH / OS FM V9R1.10.1, the session sometimes was not
   separated on connection to LDAPserver - fixed
2. NA15337385 - Continental Aktiengesellschaft / OSFM V9.R1.10 - OSFM V9.R1.10 did not
   start anymore, startup service get stuck at ECE
3. NA15313672 - en / V9R1.10.1 - Alarms / errors cannot be queried on OS4K systems
4. Edit button is missing in report template GUI of PM - fixed
5. On startClient (browser) version there is a DE word SPRACHE - fixed
6. On the installation page there is a mix of DE and EN language - fixed
7. On OSCPM we can create the same report template more than once - fixed
8. Monitoring of system management parameter trends is not working (creation of
   trend parameters) - fixed
9. Meaningful message is presented if user can not change password because of
   minimum expiration time
10. Tray bar icon: Assignment of associated monitoring object was not working - fixed
11. Client deadlock when searching for OS4K Alarms or errors - fixed
12. Automatic update via SWS - various improvements
13. ECE: attributes set via script node were not accessible in trap forwarder - fixed

List of known issues
-------------------------------------------------------------------------------
1. SWS Update: Update of mobile access gateway (MAG) has to be performed manually




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Patch OpenScape FM V9 R1.10.02
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10
-------------------------------------------------------------------------------
Release Date: 01.03.2017

Note: This patch is also provided as a full installer.


List of fixes and changes
-------------------------------------------------------------------------------
1. Proxy Table View refresh and sorting problems solved
2. SWS Update: Version of downloaded Software is shown
3. Problems with exporting of trace manager data solved
4. SWS several problems solved
5. SWS dialog unlocked/released for production use
6. OS4K System search problem solved
7. IPManager Network mask change is now working correctly




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```
Patch OpenScape FM V9 R1.10.01
Patch Prerequisite OpenScape FM: OpenScape FM V9 R1.10
--------------------------------------------------------------------------------
Release Date: 06.02.2017

Note: This patch is also provided as a full installer.


List of fixes and changes
--------------------------------------------------------------------------------

1. SWS Support (OSFM Software Update via Unify Software Server) in Test Modus, not
   for production use
2. Enhancement of the OSFM Web GUI
3. SSM Agent Software Update via OSFM Server
4. SWS enhanced for Backup of the installation
5. A versionsnummer for Patche will now shown in the feature window of windows
6. Setting the correct proxies for SWS
7. Language selection in the landing page
8. Setting additional the ipaddress in the proxie table
9. Hardware requirements in documentation fixed
10. Fix for the ssma monitor "check services"
11. NA15236381, INC000000102064 - some IP-nodes disappear from GUI.
    MAC adress "00:20:ce:f0:df:80" added for the ignore List, cause OS4K can have
    double MAC Adresses
12. SSM LDAP Ping: Login enhanced




################################################################################
Load OpenScape FM V9 R1.10
--------------------------------------------------------------------------------
Prerequisite: OpenScape FM V8 R0.63 / OpenScape FM V9 R0
Release Date: 16.01.2017


List of fixes and changes
--------------------------------------------------------------------------------

1. NA15189833 V9R1.9.1-Alarms / errors cannot be queried on OS4K systems
2. NA15195324/INC000000101533  System management is changing the status from unmanaged
   to manage automatically
3. OSFM V9R1.09.01: ECE -> Macro ${severity} was not working
4. OSFM V9R0.20.3 : password.maxAge evaluating error
5. OSFM V9R1.09.01: Security Portlist enhanced
6. OSFM V9R1.09.01: Display error in the configuration window of the Discovery filter
7. Access Account for SSMA was reseted by updating the OSFM to Version V9R1
8. SSM: New OSBranch Channel Monitoring/Reporting
9. Enhancement of the OSFM Web GUI
10. SWS Support (OSFM Software Update via Unify Software Server) in Test Modus, not for
    production use
11. SSM Agent Software Update via OSFM Server
12. OSFM WEB: User-Container will be now shown under the Hostgroup mainview
13. Navigation menu could be now fade in /out
14. Default-Format for Report Center reports is now PDF
15. OSFM Client Backup Manager: Message if manual backup is finished
16. SIP Ping allows beside UDP now also TCP
17. Load/Patch Structure of the OSFM Software package changed
18. Vaadin Update to v7.7.6
19. Renaming of the Oracle Perfomance Monitor to OracleTopSQLQueries
20. Enhanced evaluating of APP-4K Events ( Message/Severity )
21. Problem with polling of OS4K Port Agent
```

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##############################################################################
Patch OpenScape FM V9 R1.09.02
------------------------------------------------------------------------------
Prerequisite: OpenScape FM V9 R1.09
Release Date: 16.11.2016


List of fixes and changes
------------------------------------------------------------------------------
1.) NA15036252: Fix for Linux: Some System does not respond to a ping, if the ping does
not contain payload.
    Fixed
2.) ECE fix: Collector Status Restoration,
3.) ECE fix: Problem deleting of deeply stacked events


Patch OpenScape FM V9 R1.09.01
------------------------------------------------------------------------------
Prerequisite: OpenScape FM V9 R1.09
Release Date: 10.11.2016


List of fixes and changes
------------------------------------------------------------------------------
1.) Logoutput for not complete QDC Traps will now only show in debugging mode
2.) Update of Flashing-States, if Sub-Tree with flashing Objects were closed
3.) PM Reports Counting corrected
4.) Event Icon for correlated icon changed to FontAwesome.CLONE
5.) Some layout adjusting of the client
```