

FUJITSU Software openUTM WebAdmin
in openUTM Enterprise Edition (for Unix, Linux and Windows systems) V6.4A
and in openUTM in BS2000 systems V6.4A

Version 6.4A
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Release Notice

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1 General

This Release Notice refers to FUJITSU Software openUTM WebAdmin V6.4A, a web application for the administration of openUTM applications.

openUTM WebAdmin is installed once centrally and then provides a web application that can be accessed by any client computers, on which only a web browser is required. openUTM WebAdmin V6.4A is delivered together with the Web server Apache Tomcat 7, in which the web application is deployed automatically during the initial start.

openUTM WebAdmin V6.4A runs on different Windows systems as well as on Unix and Linux systems. In contrast to FUJITSU Software openUTM WebAdmin there exists FUJITSU Software openUTM WinAdmin, which is implemented as a stand-alone Java application and allows the administration of UTM applications on several windows systems as well as Unix and Linux systems.

FUJITSU Software openUTM is part of the comprehensive middleware suite openSEAS range. The openSEAS middleware suite enables the simple innovation of individual applications and the interaction of existing and new applications. openSEAS perfectly complements the Fusion middleware of our strategic partner Oracle. Oracle Fusion middleware is a leading market family of pre-integrated products, which ranges from application infrastructure development applications through to business intelligence.

Together this provides the platform for:

- Individual business-critical IT solutions
- Company portals
- Integration solutions for service-oriented architectures
- Web applications and portals
- Business processes

This Release Notice is a summary of the major extensions, dependencies and operating information with respect to openUTM WebAdmin V6.4A.

The Release Notice is supplied in the form of a README file on the product data medium. Changes which have become known subsequently are updated and provided in this file.

The content refers to release level: July 2016.

All Unix, Linux and Windows product Release Notices including this one are available on the Internet under the following URL:

<http://manuals.ts.fujitsu.com>

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There is a file - ThirdPartyLicenseReadme.txt - under docs/licences in the installation directory, in which the openSource licenses used are listed.

Overview of functions:

openUTM WebAdmin V6.4A provides a convenient graphical web-interface for administering UTM applications. Applications running on different computers and under different operating systems (BS2000, Unix, Linux and Windows systems) can be managed from a web browser (even simultaneously).

All functions offered by the administration program interface ADMI of openUTM V6.4A are supported.

1.1 Ordering

openUTM WebAdmin V6.4A is a component of the openUTM Enterprise Edition (for Unix, Linux and Windows systems) V6.4A and openUTM(BS2000 systems) V6.4A and can be purchased from your local distributors (see section 1.2 Delivery).

The product consists of:

- Licenses
- Manual in the form of a PDF file

Licenses:

The licenses for openUTM WebAdmin V6.4A are included in the licenses for the products openUTM Enterprise Edition (for Unix, Linux and Windows systems) V6.4A and openUTM (BS2000 systems) V6.4A.

1.2 Delivery

openUTM WebAdmin V6.4A is made available via download from the Internet only. It can be downloaded via the openUTM web site:

<http://www.fujitsu.com/fts/products/software/middleware/openseas-oracle/openutm/index.html>

As an add-on to the SE Manager openUTM WebAdmin V6.4A is supplied on a CD/DVD and is also made available as an ISO image at the link specified above.

After downloading, you may have to transfer the package to the target platform.
For more information see section 3.3 "Product installation".

1.3 Documentation

After you have installed the product, you will find a detailed description of the range of functions of openUTM WebAdmin V6.4A as a pdf-document in the file

<installationpath>/Docs/English/WebAdmin_V64_e.pdf

In addition, openUTM WebAdmin features a comprehensive online help system.

You can also obtain the description on the Internet from

<http://manuals.ts.fujitsu.com>

2 Software extensions

2.1 New functions/changes in openUTM WebAdmin V6.4A

- Support of new features in openUTM V6.4
openUTM WebAdmin supports all the new features of openUTM V6.4 relating to the administration program interface comprised of:
 - The graphical display of the page pool utilization, displays for data compression, display of the cache location on BS2000 systems, and display of IP subnets on Unix, Linux and Windows systems.
 - Statistic collectors for the page pool utilization and the UTM pages saved by data compression.
- Logging
In future it will be possible to log the sign-on and sign-off of a WebAdmin user and modifications of the WebAdmin configuration.
- Enhanced integration into the SE Server
 - The WebAdmin add-on supports audit logging of the SE Manager, i.e. specific modifications of the WebAdmin configuration are logged in the SE Manager logging.
Note: The logging data are also available for stand-alone WebAdmin.
 - The current status of the WebAdmin add-on is displayed in the SE Manager and can be modified, e.g.:
 - Display whether the add-on is running or not.
 - Depending on the current status, the add-on can be started, terminated, or terminated and restarted, either.

Note: These two functions are available in the SE Manager as of M2000 V6.2A.
- **Adaption** to WinAdmin
WebAdmin offers further additional functions which were previously only available in WinAdmin:
 - Command mode for direct input of administration commands or normal UTM-TACs.
 - Enhanced functionality for statistic-collectors:
 - The values of any number of statistic collectors can be saved, deleted, or output in table form simultaneously and copied from there.
 - The properties *Automatic Wake-Up*, *Sample Interval*, and *Statistic Values Lifetime* can be modified simultaneously for any number of statistic-collectors.

2.2 Implemented change requests (CR)

- Support of Command mode in WebAdmin.

3 Technical information

3.1 Resource requirements

Hard disk requirements for complete installation approx. 150 MB
At least 1GB of main memory should be available.

3.2 Software configuration

openUTM WebAdmin is written in pure Java and requires a Java-JDK as of version Java SE 7 in order to run.

This can be downloaded free-of-charge on the Internet site of Oracle and must already be installed on the target computer before installing WebAdmin.

If the target computer has a 64-bit architecture as well as a 64-bit operating system, it then makes sense for 64-bit Java to be installed. Several Java versions can be installed in parallel, thus enabling 64-bit Java to be installed alongside an already existing 32-bit Java.

The Apache Tomcat web server (and therefore also the web application) either runs as a 64-bit application or as a 32-bit application, depending on the Java version used. The 64-bit version has the advantage of a much larger address space, which can be of advantage for applications with a large number of objects.

Supported browsers:

Microsoft Internet Explorer as of V10, Mozilla Firefox as of V47.0.
JavaScript and cookies must be enabled.

Operating systems:

- Windows	32/64 Bit	as of Windows 7
- Windows Server	32/64 Bit	as of Windows Server 2008 R2
- Solaris SPARC	32/64 Bit	as of V10
- Linux (SuSE) x86	32/64 Bit	as of SLES 11
- Linux (RedHat) x86	32/64 Bit	as of RHEL 6
- M2000		as of V6.0A801 (Release: End of 6/2015)

openFT as of V11 (optional, see section 3.4.3)

openUTM versions:

openUTM WebAdmin V6.4A fully supports administration of UTM applications as of version V6.1A.

3.3 Product installation

Installation with GUI

An IzPack installation is available in the form of the JAR file "WebAdmin64A00.jar" for the installation. To carry out the installation run the command "<javapath>/bin/java -jar WebAdmin64A00.jar" in the directory, in which the file "WebAdmin64A00.jar" is located, and then follow the instructions of the installation program.

Installation using command line:

Open the install file WebAdmin-auto.xml and adapt the appropriate installation path. Open a DOS window as administrator and run the command
"<javapath>/bin/java -jar WebAdmin64A00.jar WebAdmin-auto.xml"
in the directory where the files WebAdmin64A00.jar and WebAdmin-auto.xml resides.

The directory "<javapath>" is the directory, in which the Java JDK is installed on the target computer.

Installation should not be into the "Program Files" (or "Programs") directory of Windows, because WebAdmin must be able to write or change files in the installation directory.

Information about the installation of the iso image in the SE Manager can be found in the BS2000 manual "SE700 / SE500 / SE300 Operation and Administration", which is available on the manual server.

<http://manuals.ts.fujitsu.com>

3.4 Product use

3.4.1 Notes on migrating to openUTM WbnAdmin V6.4A

openUTM WebAdmin V6.4A supports the following version migrations with regard to the configuration data:

WebAdmin V6.2A ==> WebAdmin V6.4A
WebAdmin V6.3A ==> WebAdmin V6.4A
WebAdmin V6.4A ==> WebAdmin V6.4A

3.4.2 Notes on the connection to openUTM applications

The connections to the UTM applications to be administered are made using the software openUTM-JConnect.

The components of the product JConnect, which are required to run WebAdmin, are supplied and installed together with WebAdmin.

Without licence openUTM-JConnect may only be used in connection with openUTM WebAdmin. UTM applications are supported as of V6.0.

The program KDCWADMI and the TAC KDCWADMI must be generated for UTM applications. In order to do this, the following KDCDEF statements must be added to the generation:

```
PROGRAMM KDCWADMI,COMP=ILCS (in BS2000 systems) or  
PROGRAMM KDCWADMI,COMP=C (in Unix, Linux or Windows systems) and  
TAC KDCWADMI,PROGRAM=KDCWADMI,CALL=BOTH,ADMIN=Y
```

The program unit is delivered with openUTM and does not have to be specially linked.

In addition, access for the UPIC client WebAdmin must be generated, for instance using the following KDCDEF statements

```
BCAMAPPL <bcamapplname>,T-PROT=RFC1006 (in BS2000 systems) or  
BCAMAPPL <bcamapplname>,T-PROT=RFC1006, LISTENER-PORT=<port-number>  
(in Unix, Linux or Windows systems)
```

```
TPOOL LTERM=<upiclt>,NUMBER=10,PRONAM=*ANY,  
PTYPE=UPIC-R,BCAMAPPL=<bcamapplname>  
USER WEBADMIN,PASS=C'XYZ',PERMIT=ADMIN,RESTART=NO
```

A password is not mandatory for openUTM WebAdmin users. If a password is assigned, it must be printable and it must comply with the restrictions with respect to the character set given by the UPIC interface.

Access via LTERM / PTERM

As an alternative to access via the terminal pool (TPOOL statement) a connection can also be explicitly generated for WebAdmin:

```
LTERM <upiclt>  
PTERM <upicpt>, LTERM=<upiclt>, PRONAM=<upicpro>, BCAMAPPL=<bcamapplname>,  
PTYPE=UPIC-R
```

When defining the UPIC connection in WebAdmin, it is necessary to specify <upicpt> for the PTERM name. In the case of the explicit UTM generation of a connection for WebAdmin the name of the WebAdmin application computer must be specified with <upicpro>. See the corresponding paragraph above for the listener port and selector format for the PTERM statement. Advantage of the explicit connection for WebAdmin: As of openUTM V6.3 you can minimize the reaction times of UTM applications under load by generating:

```
MAX PRIVILEGED-LTERM=<upiclt>.
```

More information about coupling with UTM-Cluster applications, is available in the PDF file "WebAdmin_V64_e.pdf", found in the subdirectory Docs of the installation path.

3.4.3 Notes on the use of openFT

The "Starting UTM applications" function requires openFT as of V11. openFT is, however, not mandatory and can also be installed subsequently. openFT is available for a fee and must be purchased separately. If you require openFT, ensure that openFT is installed and configured on both the WebAdmin computer and on the computer hosting the UTM-application. Configuration must be carried out for both directions (sending/fetching). The openFT options "Inbound follow-up processing permitted" and "Inbound receive" must be set for WebAdmin.

3.5 Obsolete functions (and those to be discontinued)

not applicable

3.6 Incompatibilities

not applicable

3.7 Restrictions

Compared to WinAdmin, the following functions are not available:

- Extensive filter functions for lists
- openFT functions (send files, etc.) apart from starting UTM applications
- Define and change separate column records
- Object selections
- WebAdmin rights administration at application and object type level
- Transaction control of any number of administration calls
- Command mode

Restrictions for WebAdmin as an add-on in SE Manager:

The starting of UTM applications is not possible for WebAdmin as an add-on in SE Manager, because the openFT function is not available in the SE Manager

3.8 Procedure in the event of errors

The following details are required for accurate error diagnosis:

- An exact description of the situation
- The versions of the software involved
- The computer type

The WebAdmin-Trace poss. with enabled UPIC trace should be made available.

In the event of errors which occur in the context of the UTM application, UTM documentation is also required:

- UTM-KDCDEF generation
- gcore files (Unix and Linux systems) /USER dumps (BS2000 systems)
- SYSLOG
- SYSOUT/stdout/stderr log files
- UTM dumps if necessary

4 Hardware support

A screen resolution of at least 1024 x 768 pixels is recommended. If the resolution is lower, dialogs may possibly no longer be shown in full on the screen.