

Oracle Internet Directory Bundle Patch Readme

This document describes the bug fixes that are included with Bundle Patch 12c Release (12.2.1.3.220330) for Oracle Internet Directory and the procedure to install it. It contains the following topics:

- [Understanding Bundle Patches](#)
- [Bundle Patch Recommendation](#)
- [Using the Oracle Patch Mechanism \(Opatch\)](#)
- [Before Applying the Bundle Patch](#)
- [Applying the Bundle Patch](#)
- [After Applying the Bundle Patch](#)
- [Removing the Bundle Patch](#)
- [Resolved Issues](#)
- [Documentation Accessibility](#)

Understanding Bundle Patches

This section describes bundle patches and explains differences between bundle patches, interim patches (also known as one-offs), and patch sets.

- [Stack Patch Bundle](#)
- [Bundle Patch](#)
- [Interim Patch](#)
- [Patch Set](#)

Stack Patch Bundle

Stack patch Bundle deploys the IDM product and dependent FMW patches using a tool. For more information about these patches, see *Quarterly Stack Patch Bundles (Doc ID 2657920.1)* at <https://support.oracle.com>.

Bundle Patch

A bundle patch is an official Oracle patch for an Oracle product. In a bundle patch release string, the fifth digit indicated the bundle patch number. Effective November 2015, the version numbering format has changed. The new format replaces the numeric fifth digit of the bundle version with a release date in the form "YYMMDD" where:

- YY is the last 2 digits of the year
- MM is the numeric month (2 digits)
- DD is the numeric day of the month (2 digits)

Each bundle patch includes the libraries and files that have been rebuilt to implement one or more fixes. All of the fixes in the bundle patch have been tested and are certified to work with one another. Regression testing has also been performed to ensure backward compatibility with all Oracle Mobile Security Suite components in the bundle patch.

Interim Patch

In contrast to a bundle patch, an interim patch addressed only one issue for a single component. Although each interim patch was an official Oracle patch, it was not a complete product distribution and did not include packages for every component. An interim patch included only the libraries and files that had been rebuilt to implement a specific fix for a specific component.

You may also know an interim patch as: security one-off, exception release, x-fix, PSE, MLR, or hotfix.

Patch Set

A patch set is a mechanism for delivering fully tested and integrated product fixes. A patch set can include new functionality. Each patch set includes the libraries and files that have been rebuilt to implement bug fixes (and new functions, if any). However, a patch set might not be a complete software distribution and might not include packages for every component on every platform. All of the fixes in a patch set are tested and certified to work with one another on the specified platforms.

Bundle Patch Recommendation

Oracle has certified the dependent Middleware component patches for Identity Management products and recommends that Customers apply these certified patches. For more information on these patches, see the note Certification of Underlying or Shared Component Patches for Identity Management Products (Doc ID 2627261.1) at <https://support.oracle.com>.

Using the Oracle Patch Mechanism (Opatch)

OPatch is a Java-based utility that runs on all supported operating systems and requires installation of the Oracle Universal Installer. It is used to apply patches to Oracle software.

 **Note:**

Oracle recommends that you have the latest version of Opatch (version 13.9.4.2.5 or higher) from [My Oracle Support](#). Opatch requires access to a valid Oracle Universal Installer (OUI) Inventory to apply patches.

The patching process uses both unzip and Opatch executables. After sourcing the `ORACLE_HOME` environment, Oracle recommends that you confirm that both of these exist before patching. Opatch is accessible at:

```
$ORACLE_HOME/OPatch/opatch
```

When Opatch starts, it validates the patch to ensure there are no conflicts with the software already installed in your `ORACLE_HOME`:

- If you find conflicts with a patch already applied to the `ORACLE_HOME`, stop the patch installation and contact Oracle Support Services.
- If you find conflicts with a subset patch already applied to the `ORACLE_HOME`, continue Bundle Patch application. The subset patch is automatically rolled back before installation of the new patch begins. The latest Bundle Patch contains all fixes from the previous Bundle Patch in `ORACLE_HOME`.

This Bundle Patch is not `-auto` flag enabled. Without the `-auto` flag, no servers need to be running. The Machine Name & Listen Address can be blank on a default install.

 **See Also:**

[Patching Your Environment Using OPatch](#) in *Patching with OPatch*.

Identifying the Version of OPatch

In general, there is a version of OPatch available for each version of the Oracle Universal Installer software.

To identify the version of OPatch:

1. Change directory to the following directory:

```
cd ORACLE_HOME/OPatch/
```

2. Run the following command:

```
./opatch version
```

For example:

```
./opatch version
OPatch Version: 13.9.4.2.5

OPatch succeeded.
```

Obtaining Patches Required for Your Installation

You can search for and download the patches required for your installation from [My Oracle Support](#).

After you sign in to My Oracle Support, click the **Patches & Updates** tab, which provides various tools that allow you to quickly locate the patches important to your Oracle Internet Directory.

Before Applying the Bundle Patch

This section describes the requirements before applying the bundle patch.

Complete the following prerequisites before applying this bundle patch:

1. If Oracle Internet Directory is installed then stop all OID server instances using `shutdown()` command:

```
shutdown(name='instance-name',type='OID')
```

Or you can also run the following script to stop OID server instances:

UNIX

```
stopComponent.sh 'instance-name'
```

Windows

```
stopComponent.cmd 'instance-name'
```

2. If Oracle Directory Integration Platform is installed:
 - a. Stop the Oracle Directory Integration Platform using the WLST command:

```
stopApplication ("DIP")
```

- b. Stop the Oracle WebLogic managed components, such as Oracle Directory Integration Platform and Oracle Directory Services Manager:

UNIX

```
DOMAIN_NAME/bin/stopManagedWebLogic.sh managed_server_name  
admin_url
```

Windows

```
DOMAIN_NAME\bin\stopManagedWebLogic.cmd managed_server_name  
admin_url
```

Where `managed_server_name` specifies the name of the Managed Server (The default value is `wls_ods1`.) and `admin_url` specifies the listen address (host name, IP address, or DNS name) and port number of the domain's Administration Server.

Example

```
c:\Oracle\Middleware\user_projects\domains\base_domain\bin\stopMa  
nagedWebLogic.cmd wls_ods1 http://AdminHost:7001
```

- c. Stop the Oracle WebLogic Administration Server:

UNIX

```
DOMAIN_NAME/bin/stopWebLogic.sh
```

Windows

```
DOMAIN_NAME\bin\stopWebLogic.cmd
```

Note:

Where `DOMAIN_NAME` is the root directory of the domain. (The name of this directory is the name of the domain.). By default, this directory is `ORACLE_HOME\user_projects\domains\DOMAIN_NAME`.

- d. Stop the NodeManager:

UNIX

```
DOMAIN_NAME/bin/stopNodeManager.sh
```

Windows

```
DOMAIN_NAME\bin\stopNodeManager.cmd
```

 **Note:**

The above steps are followed only when there is a technical need to manually stop the Oracle Directory Integration Platform application.

3. Before you run OPatch, ensure that you set the `ORACLE_HOME` environment variable to Oracle home location (under which Oracle Internet Directory or Oracle Directory Integration is installed).

Example

UNIX

```
<bash> export ORACLE_HOME="/install_location/Oracle_Home"
```

Windows

```
<prompt> set ORACLE_HOME="%install_location\Oracle_Home"
```

4. Verify that `ORACLE_HOME` is set correctly by running the following command.

UNIX

```
ls $ORACLE_HOME/OPatch/opatch
```

Windows

```
dir %ORACLE_HOME%\OPatch\opatch.bat
```

Applying the Bundle Patch

You can apply the bundle patch for Oracle Internet Directory or Oracle Directory Integration Platform either in an existing or in a new installation.

- [Applying the Bundle Patch for an Existing Installation](#)
- [Applying the Bundle Patch for a New Installation](#)

Applying the Bundle Patch for an Existing Installation

Perform the following steps to apply the bundle patch for an existing Oracle Internet Directory or Oracle Directory Integration Platform installation:

1. Unzip the patch zip file into the `PATCH_TOP`, where `PATCH_TOP` is a directory path that temporarily contains the patch for installation. For example, unzip the patch zip file as follows:

```
$ unzip -d PATCH_TOP p34016117_122130_Linux-x86-64.zip
```

 **Note:**

In Windows, the unzip command has a limitation of 256 characters in the path name. In scenarios where you face this issue, use an alternate ZIP utility like 7-Zip to unzip the patch.

2. Set your current directory to the directory where the patch is located.

UNIX

```
$ cd PATCH_TOP/34016117
```

Windows

```
PATCH_TOP\34016117
```

3. Run OPatch to apply the patch.

UNIX

```
$ [ORACLE_HOME]/OPatch/opatch apply
```

Windows

```
[ORACLE_HOME]\OPatch\opatch.bat apply
```

 **Note:**

When OPatch starts, it validates the patch and makes sure that there are no conflicts with the software already installed in the `ORACLE_HOME`. OPatch categorizes two types of conflicts:

- a. Conflicts with a patch already applied to the `ORACLE_HOME`. In this case, stop the patch installation, and contact Oracle Support Services.
- b. Conflicts with subset patch already applied to the `ORACLE_HOME`. In this case, continue the install, as the new patch contains all the fixes from the existing patch in the `ORACLE_HOME`.

Applying the Bundle Patch for a New Installation

Perform the following steps to apply the bundle patch for a new Oracle Internet Directory or Oracle Directory Integration Platform installation:

1. Install Oracle Internet Directory binaries.

For more information about installing the binaries, see [Installing the Oracle Internet Directory Software](#) in *Installing and Configuring Oracle Internet Directory*.

2. Apply patch, as described in [Applying the Bundle Patch for an Existing Installation](#).
3. For Oracle Internet Directory, you must configure it after you install Oracle Internet Directory binaries. For more information, see [Configuring Oracle Internet Directory Domain](#) in *Installing and Configuring Oracle Internet Directory*.

After you install and configure Oracle Internet Directory, see in [Getting Started With Oracle Internet Directory](#) in *Administering Oracle Internet Directory*.

4. For Oracle Directory Integration Platform, you must configure it after you install Oracle Internet Directory binaries.

For more information, see [Configuring Oracle Directory Integration Platform](#) in *Installing and Configuring Oracle Internet Directory*.

After Applying the Bundle Patch

Based on the type of product installed, follow the instruction given below:

- Start the NodeManager:

UNIX

```
DOMAIN_NAME/bin/startNodeManager.sh
```

Windows

```
DOMAIN_NAME/bin/startNodeManager.cmd
```

- If Oracle Internet Directory is installed, then restart all Oracle Internet Directory Server instances using WLST `start()` command:

```
start(name='instance-name', type='OID')
```

Or you can also run the following script to start OID server instances:

UNIX

```
startComponent.sh 'instance-name'
```

Windows

```
startComponent.cmd 'instance-name'
```

- If Oracle Directory Integration Platform is installed, then perform the following steps:
 1. Restart the Oracle WebLogic Administration Server.

UNIX

```
DOMAIN_NAME/bin/startWebLogic.sh
```

Windows

```
DOMAIN_NAME\bin\startWebLogic.cmd
```

Note:

Where `DOMAIN_NAME` is the root directory of the domain. (The name of this directory is the name of the domain.). By default, this directory is `ORACLE_HOME\user_projects\domains\DOMAIN_NAME`.

- Restart the Oracle WebLogic managed components, such as Oracle Directory Integration Platform and Oracle Directory Services Manager.

UNIX

```
DOMAIN_NAME/bin/startManagedWebLogic.sh managed_server_name  
admin_url
```

Windows

```
DOMAIN_NAME\bin\startManagedWebLogic.cmd managed_server_name  
admin_url
```

Where `managed_server_name` specifies the name of the Managed Server (The default value is `wls_ods1`.) and `admin_url` specifies the listen address (host name, IP address, or DNS name) and port number of the domain's Administration Server.

Example

```
c:\Oracle\Middleware\user_projects\domains\base_domain\bin\startM  
anagedWebLogic.cmd wls_ods1 http://AdminHost:7001
```

- If you are using Oracle Directory Server Enterprise Edition as the back-end directory for Oracle Directory Integration Platform synchronization, then update Oracle Directory Server Enterprise Edition plug-in:
 - Change to the directory where the patch was unzipped.
 - Select either `dip-plugin.so` (UNIX) or `dip-plugin.dll` (Windows) from the following directory in the Oracle Identity Management distribution package.

UNIX

```
ORACLE_HOME/dip/Utils/dip-plugin
```

Windows

```
ORACLE_HOME\dip\utils\dip-plugin
```

3. Copy it into your Oracle Directory Server Enterprise Edition installation:

UNIX

32-bit system

```
INSTALL-PATH/dsee7/lib
```

64-bit system

```
INSTALL-PATH/dsee7/lib64
```

Windows

32-bit system

```
INSTALL-PATH\dsee7\lib
```

64-bit system

```
INSTALL-PATH\dsee7\lib64
```

4. Restart Oracle Directory Server Enterprise Edition instance using the `dsadm` command:

```
$ dsadm restart instance-path
```

Removing the Bundle Patch

If you experience any problems after installing this patch, remove the patch as follows:

Note:

Before you remove the bundle patch, ensure that you shutdown Oracle Internet Directory, WebLogic Administration Server, and NodeManager. For more details, see [Before Applying the Bundle Patch](#).

1. Make sure to follow the same Prerequisites or pre-install steps (if any) when you uninstall a patch. This includes setting up any environment variables like `ORACLE_HOME` and verifying the OUI inventory before uninstalling.

2. Run OPatch to uninstall the patch:

```
[$ORACLE_HOME]/OPatch/opatch rollback -id 34016117
```

3. If you are using Oracle Directory Server Enterprise Edition (ODSEE) as the back-end directory for Oracle Directory Integration Platform (DIP), you must roll back the ODSEE plug-in.
4. If you are using ODSEE or OUD as the back-end directory for Oracle Directory Integration Platform, please contact your ORACLE support incase your password is encrypted by the plug-in while the new plug-in is running.

 **Note:**

This can be in scenarios where you are using ODSEE or OUD as the DIP backend directory and you are also using the feature Password Translate.

5. Start the NodeManager and the AdminServer with the following commands:

```
$DOMAIN_HOME/bin/startNodemanager.sh  
$DOMAIN_HOME/bin/startWeblogic.sh
```

 **Note:**

It is not required to start the Admin Server for Standalone installations.

6. If OID is installed, restart all Oracle Internet Directory Server instances using `startComponent.sh` command:

```
$DOMAIN_HOME/bin/startComponent.sh instance-name
```

or you can start the Oracle Internet Directory Server instances by connecting to the AdminServer via WLST and executing the WLST `start()` command.

```
start(name='instance-name', type='OID')
```

If DIP is installed, restart the Weblogic Managed server DIP was deployed to

```
$DOMAIN_HOME/bin/startManagedWeblogic.sh <managed server>
```

or you can start the Weblogic Managed server DIP was deployed to by connecting to the AdminServer via WLST and executing the WLST `start()` command.

```
start('managedServerName', 'Server')
```

Resolved Issues

This chapter describes resolved issues in this Bundle Patch.

This Bundle Patch provides the fixes described in the below section:

- [Issues Resolved in 12c Release \(12.2.1.3.220330\)](#)
- [Issues Resolved in 12c Release \(12.2.1.3.210714\)](#)
- [Issues Resolved in 12c Release \(12.2.1.3.210115\)](#)
- [Issues Resolved in 12c Release \(12.2.1.3.200526\)](#)
- [Issues Resolved in 12c Release \(12.2.1.3.180621\)](#)
- [Issues Resolved in 12c Release \(12.2.1.3.180413\)](#)

Issues Resolved in 12c Release (12.2.1.3.220330)

The following table lists the issues resolved in OID Bundle Patch 12.2.1.3.220330:

Table 1-1 Resolved Issues in 12c Release 12.2.1.3.220330

Bug	Bug Abstract
30218539	Fix for Bug 30218539
33667362	POOL2 ENV ZGUD:LDAP: URECOVERABLE LOGIN ERROR OBSERVED AFTER DB PATCHING TO 19.12.0 DBRU+MLR211015 WITH ZDT
33416191	OID 12C "FAILED TO START INSTANCE PREMATURE END OF FILE" AFTER JULY 2021 BP
20529520	OPERATIONAL ATTRIBUTES- MODIFERSNAME AND MODIFIYTIMESTAMP -GET REMOVED
29293712	Fix for Bug 29293712
28860873	OID 12C NODEMANAGER ACCESSING DATABASE LISTENER LOG

Issues Resolved in 12c Release (12.2.1.3.210714)

The following table lists the issues resolved in OID Bundle Patch 12.2.1.3.210714:

Table 1-2 Resolved Issues in 12c Release (12.2.1.3.210714)

Bug Number	Bug Name
32502356	OID PROCESSES CRASH AND DISPATCHER "TERMINATE PROCESS FAILED OS ERROR 5"

Table 1-2 (Cont.) Resolved Issues in 12c Release (12.2.1.3.210714)

Bug Number	Bug Name
31996035	DIP 12.2.1.3 - AFTER APPLYING PATCH 29946589 NEED MANUAL COPY AND RENAME OF LDAPJCLNT JAR TO WORK
32512033	DIPATCHER WRONGLY RESTARTS ALL OIDLDPD WHEN ONE SERVER PROCS IS KILLED/CRASHED
32496322	12CPS5:BULKLOAD FAILS WHEN THE FILE NAME PARAMETER LENGTH IS GREATER THAN 123 CHARS
31715764	OID 12C ON STOPS RESPONDING OPENMUTEX GLOBAL\724866268 FAILED WITH ERROR 6
32108896	EXCHANGE MIGRATION : SOME DIP SYNC EVENTS DID NOT SYNC TO DESTINATION BEFORE A MODRDN
20630516	TIMEOUT ERROR IN OID-ODSM SECURITY TAB

Issues Resolved in 12c Release (12.2.1.3.210115)

The following table lists the issues resolved in OID Bundle Patch 12.2.1.3.210115:

Table 1-3 Resolved Issues in 12c Release (12.2.1.3.210115)

Bug Number	Bug Name
20360006	LOADBALANCER PING CAUSES "SGSLUFREAD: HARD ERROR ON READ, OS ERROR = 104"
24464510	OID BECOMES UNRESPONSIVE INTERMITTENTLY
25557873	IN DIP PROFILE, "UPDATE SEARCH COUNT" SEEMS TO CAUSE SKIPPING OF CHANGES SYNCH
26828926	INCORPORATE ISW RESYNC CAPABILITIES INTO DIP
27253930	DIP ERROR WHEN SAVING SYNCHRONIZATION PROFILE IN EM PASSWORD MORE THEN 15 CHARS
27825430	FEATURE TO RUN OIDDIAG WITHOUT SYS USER
28502265	UNABLE TO RUN PROVSUBTOOL AGAINST OUD SERVER TO OBTAIN SUBSCRIPTION LIST

Table 1-3 (Cont.) Resolved Issues in 12c Release (12.2.1.3.210115)

Bug Number	Bug Name
28678501	BUGS 27568073 27911420: OID 12C REPLICATION FAILS AFTER WLS ADMIN SERVER RESTART
29656196	NEED CORRECT /ETC/HOSTS CONFIGURATION FOR ALIASES
29692493	OID 11.1.1.9.160719 PORT STOPS RESPONDING
29946589	DIP SYNC FOR MODDN OR MODRDN GIVES NEWSUPERIOR A NULL VALUE
30091360	IMPORT USER DATA FROM LDIF FILE VIA ODSM FAILS
31040001	OID INTERNAL PRODUCTION MT - REPLICATION BETWEEN ADC AND UCF NOT WORKING FOR ORG GROUPS
31421942	OID CLEAN UP - OS RESOURCE AND SAME INSTANCE NAME FROM A PRIOR FAILED CONFIGURATION ATTEMPT FAILS TO START:(DOC ID 2535934.1)
31422015	OID11G: HOW TO AUDIT/TRACE AND CAPTURE MODIFICATION OF AN OBJECTCLASS NAME (DOC ID 2471961.1)

Issues Resolved in 12c Release (12.2.1.3.200526)

The following table lists the issues resolved in OID Bundle Patch 12.2.1.3.200526:

Table 1-4 Resolved Issues in 12c Release (12.2.1.3.200526)

Bug Number	Bug Name
29547874	12C DIP WHEN USED WITH DNCONVERT DELETES ALL USERS FROM GROUPOFUNIQUE NAMES IN OUD
30104525	OIDLDAPD PROCESS CRASHING IN OID 12C ON SOLARIS 11 (SPARC 64-BIT)
27347619	LRGPPR, PASSWORD POLICY REFRESH IS FAILING ON MULTI SERVER[FIX FOR REGRESSION IN FIX FOR BUG#22334103]
28790589	OID 12C REMTOOL PCHGPWD AND PRESETPWD DOES NOT APPLY TO CONSUMER NODES
28581199	ENTRY INCLUDING UPPERCASE BEHIND RDN FAILS TO SYNC AFTER APPLY PATCH 28437599
27625817	DIP FAILS TO SYNC UPDATE WITH 'B CANNOT BE CAST TO JAVA.LANG.STRING'

Table 1-4 (Cont.) Resolved Issues in 12c Release (12.2.1.3.200526)

Bug Number	Bug Name
27547104	ANONYMOUS SASL BIND TO OID POPULATES PWDFailureTime IN ROOTDSE

Issues Resolved in 12c Release (12.2.1.3.180621)

The following table lists the issues resolved in 12c Release (12.2.1.3.180621):

Table 1-5 Resolved Issues in 12c Release (12.2.1.3.180621)

Bug Number	Bug Name
27901525	OID MBEAN PROPERTY - SETEMPROPERTIES IS MISSING
26880404	BUG TO TRACK ROOT CAUSE OF NULL VALUES COMING TO MANDATORY VALUE IN OID
27275840	DI: ADD TRACING TO ALL ERROR CASES IN GSLDAPSEARCHSTART
25095598	CAN NOT SYNC THE USER ENTRY'S MULTIBYTE VALUE FROM OUD TO AD
27442306	CACHING ISSUE WITH THE SUBSCRIBED USERS FOR EBS IN OID
27336338	TECHPLAT: JAVA_HOME IN PROVSubTool POINT TO NON-EXIST ORACLE_HOME/JDK IN OID 12C
25598301	REPLICATION NOT SUPPORTED IN OID WITH TLSV1.2 AND WITHOUT NO-AUTH CIPHERS
27457322	SIM: CDC - US2 - OID THREAD RESTART ON CHCLMX0010
27306630	MS25:RE12:P2T[EEEE->EEEE-TEST] FAILED AT START IDM SERVERS
27472046	GSE: 17D: LDAPSEARCH RETURNING WRONG ATTRIBUTES FOR DN IN SDI

Issues Resolved in 12c Release (12.2.1.3.180413)

The following table lists the issues resolved in 12c Release (12.2.1.3.180413):

Table 1-6 Resolved Issues in 12c Release (12.2.1.3.180413)

Bug Number	Bug Name
26943632	BULKDELETE IMPROVEMENT: FAST DELETE HUGE AMNT OF ENTRIES W/ FILTER SUPPORT
23236277	OID 11G PROCESS HANGS
25989135	A 'REPLACE' OF USERCERTIFICATE ON SUPPLIER RESULTS IN 'ADD' ON REPLICA(S)

Table 1-6 (Cont.) Resolved Issues in 12c Release (12.2.1.3.180413)

Bug Number	Bug Name
27150568	NOT LOADING CORRECT DEFAULT VALUE FOR THE ATTRIBUTE ORCLECACHEMAXENTSIZ ON 12C
25729334	OIDLDAPD PROCESS SHUTS DOWN AND RESTARTS INTERMITTENTLY PRODUCING STACK DUMPS
26922555	REMTUOL -BACKUPMETADATA PARAMETER NOT AVAILABLE IN 12.2.1.3.0
27099047	TOTALTIME AND OPTIME WRONGLY SWAPPED IN ALERT*.LOG
26650058	OID INSTANCE CONFIG MBEAN ATTRIBUTES NOT IN READ WRITE MODE
26176227	CONFIG.SH FAILS TO CREATE OID INSTANCE, OID NOT STARTING
26883409	SCHEMA CORRUPTION AFTER CUSTOM OBJECTCLASS GETS REPLICATED
26770219	OID: REALM "DC=US,DC=ORACLE,DC=COM" CREATION FAILED FOR INSTANCE "OID1
27588675	OID SCHEMA LOAD IN RCU FAILS WITH LDAP_LINUX-X64:12.2.1.3.0.1-180221.1418
26268699	Fix for Bug 26268699

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

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Oracle Fusion Middleware Oracle Internet Directory Bundle Patch Readme, 12c (12.2.1.3.220330)
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