

# Minerva 10.6.1 LA Back-Office Upgrade Patch 013

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- [Prerequisites](#)
- [Release Information](#)
  - [New Features Minerva 10.6.1 LA Back-Office Upgrade Patch 13](#)
  - [Enhancements Minerva 10.6.1 LA Back-Office Upgrade Patch 13](#)
  - [Fixed Defects Minerva 10.6.1 LA Back-Office Upgrade Patch 13](#)
  - [Known Issues Minerva 10.6.1 LA Back-Office Upgrade Patch 13](#)
  - [Limitations Minerva 10.6.1 LA Back-Office Upgrade Patch 13](#)
- [Software Requirements](#)
- [User Name and Password Requirements](#)
- [Procedural Steps](#)
  - [Take a Snapshot of All Virtual Machines](#)
  - [Acquire and Extract the Minerva Distribution Software](#)
  - [Upgrade the Minerva Database Schema](#)
  - [Upgrade the Billing RPM](#)
  - [Restart WebLogic](#)
- [Change Log](#)

## Prerequisites

- Installation of the previous "Minerva 10.6.1 LA Back-Office Upgrade Patch 012" patch.

## Release Information

Minerva 10.6.1 LA Back-Office Upgrade Patch 13 includes the following New Features, Enhancements, Fixed Defects, Known Issues, and Limitations:

### New Features Minerva 10.6.1 LA Back-Office Upgrade Patch 13

Details
There are no New Features in this release.

### Enhancements Minerva 10.6.1 LA Back-Office Upgrade Patch 13

Details
There are no Enhancements in this release.

## Fixed Defects Minerva 10.6.1 LA Back-Office Upgrade Patch 13

ID	Details	Support or Partner ID
ITF-18346	<p><b>Release Notes Description</b> In cases of systems with very large numbers of customers (greater than 100,000), there may be active customers missing from the DAILY, WEEKLY, MONTHLY, or OTHER billing reports.</p> <p><b>Root Cause</b> The database procedure used to pull the customer data for the report did not properly select all the valid customers.</p> <p><b>Fix</b> The database procedure has been updated to select all active customers with billing data for the target period.</p> <p><b>Affected Areas</b> Billing report utility.</p> <p><b>Dependencies</b> N/A</p>	ME-10836, ME-10192, 47788
ITF-18354	<p><b>Release Notes Description</b> Asset region block configuration is getting lost once you submit (db fixes).</p> <p><b>Fix</b> The issue has been fixed.</p> <p><b>Affected Areas</b> Manage Asset blocking by region functionality.</p> <p><b>Dependencies</b> MAUI 1.9 LA Patch 11</p>	ME-10987, ME-10988, 48108

## Known Issues Minerva 10.6.1 LA Back-Office Upgrade Patch 13

Details
There are no Known Issues in this release.

## Limitations Minerva 10.6.1 LA Back-Office Upgrade Patch 13

Details
There are no known Limitations in this release.

## Software Requirements

- The installation ISO (Changelist: 10.6.1.14.154.GM.265976)

## User Name and Password Requirements

For User Names and Passwords for the system or procedure, log in to the Minerva Support Site and search for Knowledgebase article #36329.

The following user names and passwords are necessary for the execution of this procedure:

- **Main User**
- **Manager User.**

**Warning!**

Do not perform this procedure while any of the following system events are occurring:

- Cold start
- EPG ingest
- Nightly resync window
- Monthly billing export.

System data and/or function might be compromised. Contact Minerva Support if this procedure must be performed simultaneously with any of these events.

## Procedural Steps

Follow these steps to apply 10.6.1 LA Back-Office Upgrade Patch 13:

### Take a Snapshot of All Virtual Machines

1. Before proceeding with the upgrade to Minerva Back-Office 10.6.1 LA Back-Office Upgrade Patch 13, take a snapshot of all Back-Office and all Edge nodes.
2. Proceed to the next section.

### Acquire and Extract the Minerva Distribution Software

**Note:**

Acquire the Minerva software from the distribution DVD, or by downloading it from the [Minerva Support Web Site](#).

On the Database, Application, and Admin servers, download the Minerva 10.6.1 LA Back-Office Upgrade Patch 13 distribution files to **/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade**, as follows:

1. Log in to the system as the **Main User**.
2. Create directory **/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade**:

```
# mkdir -p /u0x/M10Software/10_6_1_LA_Patch13_upgrade
```

3. Change permissions on directory **/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade** as follows:

```
# chmod -R a+w /u0x/M10Software/10_6_1_LA_Patch13_upgrade
```

4. Copy the distribution files to directory **/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade** on the server.
5. Switch to the **Manager User**.

```
# su - <Manager_User>
```

6. Navigate to directory **/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade**:

```
$ cd /u0x/M10Software/10_6_1_LA_Patch13_upgrade
```

7. Mount ISO file **iTVFusion\*-RPM.iso**:

```
$ sudo mount -t iso9660 -o loop iTVFusion*.iso /media/cdrom
```

8. Copy the files on the mounted ISO file to the same directory the ISO file is in (**/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade**):

```
$ cp -R /media/cdrom/* /u0x/M10Software/10_6_1_LA_Patch13_upgrade/
```

9. Unmount the ISO file:

```
$ sudo umount /media/cdrom
```

10. When the files are copied to all servers, proceed to the next section.

## Upgrade the Minerva Database Schema

Perform the following steps on the primary database server:

1. Log in to the server as the **Database User**.
2. Navigate to directory **/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade/DB\_Migrations/10.6.1.13\_10.6.1.14:**

```
# cd /u0x/M10Software/10_6_1_LA_Patch13_upgrade/DB_Migrations/10.6.1.13_10.6.1.14
```

3. Run the migration script **md\_migrate.sh**:

```
$ ./md_migrate.sh
```

4. Proceed to the next section.

## Upgrade the Billing RPM

Perform these steps on the database server:

1. Log in to the server as the **Manager User**.
2. Navigate to directory **/u0x/M10Software/10\_6\_1\_LA\_Patch13\_upgrade:**

```
$ cd /u0x/M10Software/10_6_1_LA_Patch13_upgrade
```

3. Upgrade the Minerva Billing package:

```
$ sudo rpm -Uvh iTVBackOffice-billing-*.rpm --force --nodeps --nopreun
```

4. Once these steps have been performed on the database server, proceed to the next section.

## Restart WebLogic

Perform the following steps on each non-database server:

### Important:

Conditional access requires the restart of CAS "itvmgrctl start cas" before restarting WebLogic.

1. Log on to the system as, or switch to, the **Manager User**.
2. Stop iTVBackOffice services:

```
$ itvmgrctl stop all
```

3. Navigate to directory **/itvmgr/bin** and stop WebLogic:

```
$ cd /itvmgr/bin  
$ sudo ./weblogic.sh forcestop
```

4. Start Conditional Access:

```
$ itvmgrctl start cas
```

5. Start WebLogic:

```
$ sudo ./weblogic.sh start
```

6. Wait two or three minutes, then check the WebLogic status as follows:

```
$ sudo ./weblogic.sh status
```

If WebLogic is completely started, the console returns the following message:

```
Weblogic is up and running
```

If WebLogic is completely started, the console returns the following message:

```
Weblogic process running, but still not completely started
```

**Important:**

If WebLogic is not completely started, wait a while longer, then rerun the **weblogic.sh** script again with the **status** attribute to get a status update. Don't proceed until WebLogic is completely started.

Note that the appearance of the command prompt after the WebLogic start command is executed is not an indication that WebLogic is running.

7. Restart all **itvmgrctl** processes:

```
$ itvmgrctl start all
```

8. After these steps have been performed on all non-database servers, proceed to the next section.

Minerva 10.6.1 LA Back-Office Upgrade Patch 13 is now applied.

## Change Log

Version	Date	Change Details
00	2023-07-26	Initial document.

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