

Migration to OXO Connect 3.0

This document describes the migration process to OXO Connect 3.0

Revision History

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Connect 3.0

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1 Migration rules for release \leq 9.2

1.1 Migration from release \leq 8.2

Migration from OXO releases \leq 8.2 to Connect 3.0 are not tested and not supported. A new installation is required.

1.2 Migration from release 9.2

Migration from 9.0 or 9.1 is not tested and not supported. First upgrade the system to the latest R9.2 version (available on the BPWS). This recommendation also applies if the system is running with an old 9.2 version.

Direct migration from OXO releases 9.2 to Connect 3.0 is not tested and not supported:

- you must first migrate the OXO 9.2 to R10.3 or Connect 2.2
 - o migration must be done on a real system in 10.3 / Connect 2.2 with a physical CPU, it cannot be done with OMC operation only (refer to TC2251 for migration to Connect 2.2)
- then migrate from OXO 10.3, or Connect 2.2, to Connect 3.0

2 Migration rules for OXO Connect 3.0 platforms

- Migration from an old OXO release to Connect C25 or Connect Evolution is not supported.
- Migration from Connect 3.0 CE, C25 or S/M/L platform to Connect Evolution is not supported.
- Migration from Connect Evolution to Connect 3.0 CE, C25 or S/M/L platform to is not supported.
- Migration from Connect C25 to Connect CE, and vice versa, is not supported.

3 Migration from release R10.3 to Connect 3.0

- **Hardware**

- SL1x & SL1x -1 are not supported and must be replaced by SL1x -2.
- OXO cabinet 1G is no longer supported and must be replaced by a new cabinet.

- **Software**

Migration from 10.0, 10.1 and 10.2 is not tested and not supported, first upgrade the system to the latest 10.3 maintenance version available on the BPWS. This recommendation applies also if the system is running with an old 10.3 version.

- **Configuration**

H.323 protocol is no longer supported in Connect 3.0: delete corresponding ARS entries in 10.3 and select SIP as the VoIP protocol before proceeding with the migration.

3.1 OXO R10.3 with PowerCPU

The PowerCPU is not compatible with Connect 3.0 and must be replaced by a PowerCPU EE, migration must be done on site.

3.1.1 Migration with OMC save/restore

With this procedure the customer data -VM messages, metering ticket, ACD statistics- are not restored:

- replace the SLlx & SLlx -1 with SLlx -2,
- replace the cabinet if it's a 1G,
- save the current R10.3 database with OMC 30.0 (select all options),
- open the saved data base in off-line mode and go to System -Miscellaneous - Memory Read/Write and remove the flag 'Relevant' for the following noteworthy addresses:
 - o ExtNuFoVoi other labels
 - o FaxPasCd "
 - o INVwSDPtrk "
 - o MYICcaller "
 - o PrefCodec "
 - o PrefFramin "
 - o RTPpxyPort "
 - o SIPInDspNm "
 - o SIPdtmfInB "
 - o SimullpAlt "
 - o USalterfro "
 - o VipPuNuA "
 - o MultAnsRei debug
 - o SuprAlerTo "
 - o VOIPnwaddr "

The purpose is to avoid useless error messages during OMC database restore in Connect 3.0.

Also, the flag 'Relevant' for I_Tones noteworthy addresses must be removed:

- o I_TONES0 → I_TONES7 other labels
- Tones descriptions are no longer managed with I_TONESx flag in Connect 3.0 and must not be restored. This is applicable for migration to Connect 3.0 till version 030/045.001.
I_TONES flag is no longer available starting with version 030/048.001.
- in OMC -> External Lines -> "List of Accesses", delete the VoIP trunk and create again the trunk(s) after migration to Connect 3.0.
note: VoIP trunk cannot be deleted on a system without Analogue/ISDN lines (list of trunk cannot be empty). In that case, create a new trunk after migration to 3.0 and delete the migrated trunk.
 - save the modified data base,
 - Remove the PowerCPU :
 - o if equipped, remove MiniMIX, HSL, AFU boards from the old PowerCPU and install it on the new PowerCPU EE.
 - o do not change any other hardware (type of boards, connected sets etc...).
 - replace the PowerCPU with the PowerCPU EE already loaded with Connect 3.0 SW and licenses,
 - after system restart, perform the wizard for Guest/Business system, VM box creation...
 - open in off-line the modified database, connect to the system and restore the database (do not send the old SW licenses).

3.1.2 Migration with LoLa

With this procedure the customer data -VM messages, metering ticket, ACD statistics- are restored.

For the LoLa migration procedure, first update the system with the latest R10.3 maintenance version available on the BPWS (version must be $\geq 10.3 / 061.001$) and then proceed with standard LoLa migration:

- replace the SLlx & SLlx -1 with SLlx -2,
- replace the cabinet if it's a 1G,
- save the current R10.3 database with OMC 30.0 (select all options),
- open the saved data base in off-line mode and go to System -Miscellaneous - Memory Read/Write and remove the flag 'Relevant' for the following noteworthy addresses:
 - o ExtNuFoVoi other labels
 - o FaxPasCd "
 - o INVwSDPtrk "
 - o MYICcaller "
 - o PrefCodec "
 - o PrefFramin "
 - o RTPpxyPort "
 - o SIPInDspNm "
 - o SIPdtmfInB "
 - o SimullpAlt "
 - o USalterfro "
 - o VipPuNuA "
 - o MultAnsRei debug
 - o SuprAlerTo "
 - o VOIPnwaddr "

The purpose is to avoid useless error messages during OMC database restore in Connect 3.0.

Also, the flag 'Relevant' for I_Tones noteworthy addresses must be removed:

- o I_TONES0 → I_TONES7 other labels

Tones descriptions are no longer managed with I_TONESx flag in Connect 3.0 and must not be restored. This is applicable for migration to Connect 3.0 till version 030/045.001.

I_TONES flag is no longer available starting with version 030/048.001.

- in OMC -> External Lines -> "List of Accesses", delete the VoIP trunk and create again the trunk(s) after migration to Connect 3.0.
note: VoIP trunk cannot be deleted on a system without Analogue/ISDN lines (list of trunk cannot be empty). In that case, create a new trunk after migration to 3.0 and delete the migrated trunk.
- save the modified data base,
- switch off the system and wait for complete shutdown (wait for red power led),
- set the PowerCPU jumper to LoLa mode and plug it again in the rack,
- start LoLa 24.1 and select the Connect 3.0 SW delivery path, country target and SW licenses,
- select "Migration mono CPU", in "Storage location", select an empty folder on your PC to store the data,
- start LoLa: CPU will be connected after BOOTP/TFTP answer and data are transferred to the PC,
- after the file transfer, you can modify the hardware: switch off the PowerCPU - do not close LoLa tool,

- Remove the PowerCPU :
 - o if equipped, remove MiniMIX, HSL, AFU boards from the old CPU and install it on the new PowerCPU EE.
 - o do not change any other hardware (type of boards, connected sets, etc...).
- select LoLa mode on the PowerCPU EE, start the system and select "Next" in Lola tool to continue the installation process,
- when the OXO file transfer is completed, the customer data are transferred from PC to PowerCPU EE: switch-off the CPU at the end of the transfer,
- set the PowerCPU EE jumper to normal running mode and restart the system. The system restarts without configuration (cold start),
- after system restart, perform the wizard for Guest/Business system, VM box creation...
- open in off-line the saved database, connect to the system and restore the database (do not send the old SW licenses).

3.2 OXO R10.3 with PowerCPU EE

Migration must be done on site.

3.2.1 Migration with OMC save/restore

With this procedure the customer data -VM messages, metering ticket, ACD statistics- are not restored:

- replace the SLIx & SLIx -1 with SLIx -2,
- replace the cabinet if it's a 1G,
- save the current R10.3 database with OMC 30.0 (select all options),
- open the saved data base in off-line mode and go to System -Miscellaneous - Memory Read/Write and remove the flag 'Relevant' for the following noteworthy addresses:
 - o ExtNuFoVoi other labels
 - o FaxPasCd "
 - o INVwSDPtrk "
 - o MYICcaller "
 - o PrefCodec "
 - o PrefFramin "
 - o RTPpxyPort "
 - o SIPInDspNm "
 - o SIPdtmfInB "
 - o SimulIpAlt "
 - o USalterfro "
 - o VipPuNuA "
 - o MultAnsRei debug
 - o SuprAlerTo "
 - o VOIPnwaddr "

The purpose is to avoid useless error messages during OMC database restore in Connect 3.0.

Also, the flag 'Relevant' for I_Tones noteworthy addresses must be removed:

- o I_TONES0 → I_TONES7 other labels

Tones descriptions are no longer managed with I_TONESx flag in Connect 3.0 and must not be restored. This is applicable for migration to Connect 3.0 till version 030/045.001.

I_TONES flag is no longer available starting with version 030/048.001.

- in OMC -> External Lines -> "List of Accesses", delete the VoIP trunk and create again the trunk(s) after migration to Connect 3.0.
- note: VoIP trunk cannot be deleted on a system without Analogue/ISDN lines (list of trunk cannot be empty). In that case, create a new trunk after migration to 3.0 and delete the migrated trunk.
- save the modified data base,
 - load the Connect 3.0 SW licenses (no need to reboot), download the new 3.0 system version and make a swap without data saving
 - after system restart, perform the wizard for Guest/Business system, VM box creation...
 - open in off-line the modified database, connect to the system and restore the database (do not send the old SW licenses).

3.2.2 Migration with LoLa

With this procedure the customer data -VM messages, metering ticket, ACD statistics- are restored.

For the LoLa migration procedure, first update the system with the latest R10.3 maintenance version available on the BPWS (version must be ≥ 10.3 / 061.001) and then proceed with standard LoLa migration:

- replace the SLIx & SLIx -1 with SLIx -2,
- replace the cabinet if it's a 1G,
- save the current R10.3 database with OMC 30.0 (select all options),
- open the saved data base in off-line mode and go to System -Miscellaneous - Memory Read/Write and remove the flag 'Relevant' for the following noteworthy addresses:
 - o ExtNuFoVoi other labels
 - o FaxPasCd "
 - o INVwSDPtrk "
 - o MYICcaller "
 - o PrefCodec "
 - o PrefFramin "
 - o RTPpxyPort "
 - o SIPInDspNm "
 - o SIPdtmfInB "
 - o SimullpAlt "
 - o USalterfro "
 - o VipPuNuA "
 - o MultAnsRei debug
 - o SuprAlerTo "
 - o VOIPnwaddr "

The purpose is to avoid useless error messages during OMC database restore in Connect 3.0.

Also, the flag 'Relevant' for I_Tones noteworthy addresses must be removed:

- o I_TONES0 → I_TONES7 other labels

Tones descriptions are no longer managed with I_TONESx flag in Connect 3.0 and must not be restored. This is applicable for migration to Connect 3.0 till version 030/045.001.

I_TONES flag is no longer available starting with version 030/048.001.

- in OMC -> External Lines -> "List of Accesses", delete the VoIP trunk and create again the trunk(s) after migration to Connect 3.0.
- note: VoIP trunk cannot be deleted on a system without Analogue/ISDN lines (list of trunk cannot be empty). In that case, create a new trunk after migration to 3.0 and delete the migrated trunk.

- save the modified data base,
- switch off the system and wait for complete shutdown (wait for red power led),
- set the CPU jumper to LoLa mode and plug it again in the rack,
- start LoLa 24.1 and select the Connect 3.0 SW delivery path, country target and SW licenses,
- select "Migration mono CPU", in "Storage location", select an empty folder on your PC to store the data,
- start LoLa: CPU will be connected after BOOTP/TFTP answer and data are transferred to the PC,
- after file transfer, select "Next" in Lola tool to continue the installation process,
- when bootp & tftp server are started, stop and restart the CPU,
- when the OXO SW file transfer is completed, the customer data are transferred from PC to PowerCPU EE,
- switch off the CPU, set the PowerCPU EE jumper to normal running mode and restart the system. The system restarts without configuration (cold start),
- after system restart, perform the wizard for Guest/Business system, VM box creation...
- open in off-line the saved database, connect to the system and restore the database (do not send the old SW licenses).

4 Migration from Connect 2.2 to Connect 3.0

- **Software**

Migration from Connect 2.0 or 2.1 is not tested and not supported, first upgrade the system to the latest Connect 2.2 maintenance version available on the BPWS (see TC2251 Migration to Connect 2.2). This recommendation applies also if the system is running with an old 2.2 version.

- **Configuration**

H.323 protocol is no longer supported in Connect 3.0: delete corresponding ARS entries in 2.2 and select SIP as the VoIP protocol before proceeding with the migration.

4.1.1 Migration with OMC save/restore

With this procedure the customer data -VM messages, metering ticket, ACD statistics- are not restored:

- save the current 2.2 database with OMC 30.0 (select all options),
- open the saved data base in off-line mode and go to System -Miscellaneous - Memory Read/Write and remove the flag 'Relevant' for the following noteworthy addresses:
 - ExtNuFoVoi other labels
 - FaxPasCd "
 - INVwSDPtrk "
 - MYICcaller "
 - PrefCodec "
 - PrefFramin "
 - RTPpxyPort "
 - SIPInDspNm "
 - SIPdtmfInB "
 - SimullpAlt "
 - USalterfro "
 - VipPuNuA "
 - MultAnsRei debug

- o SuprAlerTo "
- o VOIPnwaddr "

The purpose is to avoid useless error messages during OMC database restore in Connect 3.0.

Also, the flag 'Relevant' for I_Tones noteworthy addresses must be removed:

- o I_TONES0 → I_TONES7 other labels

Tones descriptions are no longer managed with I_TONESx flag in Connect 3.0 and must not be restored. This is applicable for migration to Connect 3.0 till version 030/045.001.

I_TONES flag is no longer available starting with version 030/048.001.

- in OMC -> External Lines -> "List of Accesses", delete the VoIP trunk and create again the trunk(s) after migration to Connect 3.0.

note: VoIP trunk cannot be deleted on a system without Analogue/ISDN lines (list of trunk cannot be empty). In that case, create a new trunk after migration to 3.0 and delete the migrated trunk.

- save the modified data base,
- load the Connect 3.0 SW licenses (no need to reboot), download the new 3.0 system version and make a swap without data saving
- after system restart, perform the wizard for Guest/Business system, VM box creation...
- open in off-line the modified database, connect to the system and restore the database (do not send the old SW licenses).

Remote system upgrade

If the system is accessible via IP connection for remote management, the OXO migration with OMC Save/restore can be performed in remote as the IP configuration parameters and management password are retained after cold start.

4.1.2 Migration with LoLa

With this procedure the customer data -VM messages, metering ticket, ACD statistics- are restored.

- save the current 2.2 database with OMC 30.0 (select all options),
- open the saved data base in off-line mode and go to System -Miscellaneous - Memory Read/Write and remove the flag 'Relevant' for the following noteworthy addresses:
 - o ExtNuFoVoi other labels
 - o FaxPasCd "
 - o INVwSDPtrk "
 - o MYICcaller "
 - o PrefCodec "
 - o PrefFramin "
 - o RTPpxyPort "
 - o SIPInDspNm "
 - o SIPdtmfInB "
 - o SimullpAlt "
 - o USalterfro "
 - o VipPuNuA "
 - o MultAnsRei debug
 - o SuprAlerTo "
 - o VOIPnwaddr "

The purpose is to avoid useless error messages during OMC database restore in Connect 3.0.

Also, the flag 'Relevant' for I_Tones noteworthy addresses must be removed:

- o I_TONES0 → I_TONES7 other labels

Tones descriptions are no longer managed with I_TONESx flag in Connect 3.0 and must not be restored. This is applicable for migration to Connect 3.0 till version 030/045.001.
I_TONES flag is no longer available starting with version 030/048.001.

- in OMC -> External Lines -> "List of Accesses", delete the VoIP trunk and create again the trunk(s) after migration to Connect 3.0.

note: VoIP trunk cannot be deleted on a system without Analogue/ISDN lines (list of trunk cannot be empty). In that case, create a new trunk after migration to 3.0 and delete the migrated trunk.

- save the modified data base,
- switch off the system and wait for complete shutdown (wait for red power led),
- set the CPU jumper to LoLa mode and plug it again in the rack,
- start LoLa **24.1** and select the Connect 3.0 SW delivery path, country target and SW licenses,
- select "Migration mono CPU", in "Storage location", select an empty folder on your PC to store the data,
- start LoLa: CPU will be connected after BOOTP/TFTP answer and data are transferred to the PC,
- after file transfer, select "Next" in Lola tool to continue the installation process,
- when bootp & tftp server are started, stop and restart the CPU,
- when the OXO SW file transfer is completed, the customer data are transferred from PC to PowerCPU EE,
- switch off the CPU, set the PowerCPU EE jumper to normal running mode and restart the system. The system restarts without configuration (cold start),
- after system restart, perform the wizard for Guest/Business system, VM box creation...
- open in off-line the saved database, connect to the system and restore the database (do not send the old SW licenses).

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