Alcatel·Lucent

Technical Communication	TC1731	Ed 01	Date : 30/11/2012
Product: Alcatel-Lucent OmniPCX Office			Nb. of pages: 3

Subject: Migration from R3.1 / R4.1 / R5.1 / R6.1 / R7.1 / R8.x to R9.0

1   Introduction

This document describes the migration process from an installation equipped with R3.1, R4.1, R5.1, R6.1, R7.1, R8.x to R9.0.

2   Migration from a release ≤ 7.1

The migration process can be done in two ways:

1) using OMC save/restore process: customer data's are lost (metering ticket, ACD statistics, voice mail messages..). Only the configuration parameters are restored.
2) with LoLa migration process and OMC save/restore: customer data's and system configuration parameters are restored.

2.1   Constraint / pre-requisite

- The release 9.0 requires new PowerCPU and PowerMEX for extension cabinet: migration must be done on site.
- Internet Access and RAS are no longer supported in R9.0 ; associated data's are not restored.
- The PowerCPU is not compatible with previous releases.
- Old CPUs & CoCPUs (including daughter boards) are not compatible with the release 8.x and must be removed.
- Migration from OXO releases ≤ 2.1 to release 9.0 is not supported (requires new system configuration).
- Migration from R3.0, R4.0, R5.0, R6.0 and R7.0 to release 9.0 is not supported: it is mandatory to upgrade first the system to the latest R3.1 / R4.1 / R5.1 / R6.1 and R7.1 version.

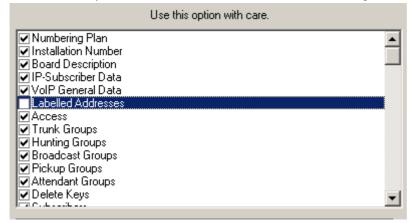See TC54 Hardware & Software compatibility for more details.

2.2   Migration with OMC save/restore

 Example: system migration from R7.1 to R9.0 (same principle for R3.1 / R4.1 / R5.1 and R6.1).

- Save the current system configuration with OMC 900 (select all items).

- Open the R7.1 database in off-line:
    o change the CPU variant from CPU-x /CPUe-x to PowerCPU (VoIP16) or PowerCPU (VoIP48),
    o if equipped, remove the CoCPU (select No Board in Board Type),
    o in the extension cabinet, change the MEX board variant from MEX to PowerMEX.
    o do not modify any other configuration parameters (type of boards - sets etc …).

- Save the database with a new name.

- Switch off the system and wait for complete shutdown (red power led).

- Remove the old CPU/CoCPU and MEX board
    o If equipped, remove HSL and AFU boards from old CPU and install it on the PowerCPU.
    o **do not change any other hardware** (type of boards, connected sets etc…).

- Plug the new PowerCPU and start the system.

- With the Off-line previously modified database, connect to the OXO R9.0 system.

- Du to architecture modification (new processor) some labels are reversed in R8 and noteworthy addresses <u>must not be restored</u>. The flag "labelled addresses" is automatically un-selected when OMC 900 is used to open an old database in off-line and connecting to an R8.1 system:

Use this option with care.

```
☑ Numbering Plan
☑ Installation Number
☑ Board Description
☑ IP-Subscriber Data
☑ VoIP General Data
☐ Labelled Addresses
☑ Access
☑ Trunk Groups
☑ Hunting Groups
☑ Broadcast Groups
☑ Pickup Groups
☑ Attendant Groups
☑ Delete Keys
```

- Click OK to restore the database.
- After system restart, do online modification of the relevant noteworthy addresses.

Reminder:

- Remote customization right: remote customization is configurable per user. If the noteworthy address DivRemCust or PerAssAlwd were set to 01 in the previous release, don't forget to enable the VM customization menu in the user "Feature Rights - part 2".

2.3 Upgrade with LoLa migration

Example: system migration from R7.1 to R9.0 (same principle for R3.1 / R4.1 / R5.1 and R6.1).

- Save the current system configuration with OMC 900 (<u>select all items</u>).
- Open in off-line the database saved in R7.1:
    o change the CPU variant from CPU-x or CPUe-x to PowerCPU (VoIP16) or PowerCPU (VoIP48),
    o if equipped, remove the CoCPU (select No Board in Board Type),
    o in case of extension cabinet, change the MEX board variant from MEX to PowerMEX.
    o **<u>do not modify any other configuration parameters</u>** (type of boards - sets etc …).
- Save the database with a new name.
- Switch off the system and wait for complete shutdown (red power led).
- Set the R7.1 CPU to LoLa mode and plug it again in the rack.
- Start LoLa and select the release 9.0 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 on the CPU are transferred to the PC.
- After the file transfer, you can modify the hardware: switch off the R7.1 CPU – <u>do not close the LoLa tool</u>.
- Remove the old CPU/CoCPU and MEX board:
    o If equipped, remove HSL and AFU boards from old CPU and install it on the PowerCPU.
    o <u>do not change</u> any other hardware (type of boards, connected sets etc…).
- Select LoLa mode on the PowerCPU, start the system and select "Next" in Lola tool to continue the PowerCPU load process.
- When the OXO file transfer is completed, the customer data's are transferred from PC to PowerCPU: switch off the PowerCPU at the end of the transfer.
- Set the PowerCPU jumper to normal running mode and restart the system. The system restarts without configuration (cold start).
- Open in off-line the previously modified database and connect OMC to the OXO R9.0 system.
- Following steps are the same as described in paragraph §2.2

3 Migration from release R8.x to R9.0

3.1 Migration from R8.0

For an OMC download operation of R900 that includes the 8082 firmware, the current system must be at least R800 / 041.001.

If your software version is lower than R800 / 041.001, apply the software upgrade process to R8.2 described in the Technical Communication 1665 and then the migration process from R8.2 to R9.0.

If your software version is higher than R800 / 041.001, apply the process from R8.1/R8.2 to R9.0.

3.2 Migration from R8.1/R8.2 to R9.0 with end customer data

LoLa migration process allows to save end customer data: voice messages, metering tickets, ACD statistics …

Procedure:

- save the database with OMC 900
- do LoLa "mono CPU migration" from R8.x to R9.0 (same principle as described in previous chapter with R7.1)
- after system restart in R9.0 restore the saved database with OMC 900

3.3 Migration from R8.1/R8.2 to R9.0 without end customer data saving

This process allows saving all configuration data, end user data will be lost (voice messages, metering tickets …)

Procedure:

- save the database with OMC 900
- download the version with OMC and make a swap - without data saving between major releases
- after system restart in R9.0, restore the saved database with OMC 900

End of document