

Release Notes



Artemis 9000/EX

ENTERPRISE EDITION 2017.02

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1. Release Overview

Artemis 9000/EX Enterprise 2017.2 release contains enhancements and addresses issues reported by customers on the previous release of the product which was Version 2017.1 published in April 2017.

Artemis 9000/EX Enterprise 2017.2 release contains six fixes, four enhancements and two certifications.

Release Version	Artemis 9000/EX Enterprise 2017.2
Release Date	August 2017
Release Type	Generally Availability
Deliverables	Product Release Software and Release Documentation

2. Upgrade Instructions

2.1. Installation on LAN Systems (Windows 2008/2012)

The installation procedure for Artemis 9000/EX Version 2017 is as follows:

1. Backup any important data to tape or CD, especially the DB directory.
2. Use the Add/Remove Programs option to remove a previous install of Artemis 9000/EX.
3. Install Artemis 9000/EX Version 2017 from CD.
4. Amend the Custom Table with a current security string.
5. Install ID 5, ID 6, and ID 16 into your FILRAM to get the new softcode files.
6. If you use *INSTALL ID 5 from O/S filename - that will only overwrite your softcode files.
7. Ensure that the printers/plotters are set up as before.
8. Copy ID010.ID from the \db_temp to your \DB folder to get the new libraries ID files.

The service name is Artemis 9000EX Version 2017 Enterprise.

3. Certifications

The Artemis 9000/EX Version 2017.2 Client has been fully tested on Windows 10 and Oracle 12c.

4. Increased System Limits

The main focus of the last three Artemis 9000/EX releases has been on increasing the existing system limits. In Version 2016.3, the Index limit with doubled to 1600 Indexes which effectively doubled the number of files that could be held in an ID. The limit of Read-only Libraries and Datasets was also doubled from 800 to 1600 per FILRAM.

The changes in 2016.4 were focused on the FILRAM size and individual file sizes.

The system limit changes that have been completed in 2017.1 include doubling the number of datasets available in a project to 1024 and increasing the multi-network limit so that 200 individual networks can be combined together in a single multi-network.

In 2017.2, Development effort focused on two additional areas:- increasing the Project Header size and enabling upto 64 multiple multi-libs.

The increased system limits have a new Security String option - "F" - and are only available in the Enterprise version.

It is recommended that an ARTFREC is run twice after the system has been upgraded to Version 2017.2.

4.1. Increased System Limits: Project Header Size

The previous versions of the product, the Project Header size was 960KB. In version 2017.1, this has been increased to 1440KB. This represents an increase of 50% on the available space.

The following figures show the difference when creating a new Project:

Version 2017.1

BLOCKS IN USE =10
PROJECT HEADER =4K
FREE =951K
MAX HEADER SIZE =956K

Version 2017.2

BLOCKS IN USE =13
PROJECT HEADER =17K
FREE =1418K
MAX HEADER SIZE =1436K

These figures were obtained using the (DUP) PS system function.

4.2. Multiple Multilibs

Theoretically, later versions of Artemis offers the possibility of creating unto 64 multiple multi-libraries. However, due to the system limit of reading only 250 text characters per line, it is generally not possible to realize this benefit. Any characters above the 250 limit will not be read so many users are effectively limited to 18-24 multiple multi-libs.

This has been addressed by making two additional options available in the the Custom Table:

```
REM ART:017 = Shared library server name list (as known to the users)
REM Up to 24 server names may be specified, separated by blanks or commas.
REM The list may not exceed 250 characters.
REM ART:017=ARTDLM
SET ART:017=ARTDLM01 ARTDLM02 ARTDLM03 ARTDLM04 ARTDLM05 ARTDLM06 ARTDLM07 ARTDLM08 ARTDLM09 ARTDLM10
ARTDLM11 ARTDLM12 ARTDLM13 ARTDLM14 ARTDLM15 ARTDLM16 ARTDLM17 ARTDLM18 ARTDLM19 ARTDLM20 ARTDLM21
ARTDLM22 ARTDLM23 ARTDLM24

REM ART:018 = SQL connect databasename for DB2/2, Oracle or ADO (#=none)
REM SET ART:018=#
SET ART:018=A:

REM ART:019 = DBCS language table (or ## for SBCS countries)
REM ART:019=##
SET ART:019=JIS

REM ART:020 = Project naming convention
REM {1} is project name, {2,3} is project ID
SET ART:020={Q}\DB\{1}.{2,3}

SET ART:023=ARTDLM25 ARTDLM26 ARTDLM27 ARTDLM28 ARTDLM29 ARTDLM30 ARTDLM31 ARTDLM32 ARTDLM33 ARTDLM34
ARTDLM35 ARTDLM36 ARTDLM37 ARTDLM38 ARTDLM39 ARTDLM40 ARTDLM41 ARTDLM42 ARTDLM43 ARTDLM44 ARTDLM45
ARTDLM46 ARTDLM47 ARTDLM48
SET ART:024=ARTDLM49 ARTDLM50 ARTDLM51 ARTDLM52 ARTDLM53 ARTDLM54 ARTDLM55 ARTDLM56 ARTDLM57 ARTDLM58
ARTDLM59 ARTDLM60 ARTDLM61 ARTDLM62 ARTDLM63 ARTDLM64
```

Options 23 and 24 now allow additional multiple multi-libraries to be added and read by the system.

These additional library servers will also need to be added to ARTSYS.INI and be setup in ID 3.

5. Summary of Enhancements

Issued ID	Summary
ART9KCID-2315	System Limits: Increased Project Header Size.
ART9KCID-2324	Ability for system to read unto 64 multiple multi-library entries.
ART9KCID-2977	PCEDIT: Improve the initialized performance.
ART9KCID-3059	Ability to Copy Part of the Artemis Screen via a Toolbar Button.

6. Summary of Fixed Issues

Issued ID	Summary
ART9KCID-2539	PlotPrint - Issue when trying to print Plots directly to Printer.
ART9KCID-2540	PCEDIT - Issue with SET on Large Datasets (>20k Records).
ART9KCID-2617	PCEDIT - Test Entry Assist should allow the user to edit the whole data in the cell even if a limited field width has been added in the command file.
ART9KCID-2677	ARTADO - Data is not being imported when NVARCHAR data type is used in SQL SERVER.
ART9KCID-2882	There is an issue with using NOT along with <>.<> sign denotes NOT EQUAL and when it is used with NOT, then it should work as =.
ART9KCID-3227	System bug with Selection statement over 256 characters.

7. Certified Platform Matrix

Artemis 9000/EX Enterprise 2017	Update 2
Server	Windows 2012 Server R2 Windows 2008 Server SP2 Windows 2003 Server SP2
Client	Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP Professional
Database Interfaces	Oracle 11g, Oracle 10g, SQL Server 2012, SQL Server 2008, SQL Server 2005, DB/2.9.1, DB/2.8.1
Microsoft Project Interface	Microsoft Project 2010, 2007 and 2003

Notes:

- ▶ Both 32-bit and 64-bit are supported for the Windows 7, 8 & 10 client operating system.
- ▶ The following steps need to be followed to setup the Microsoft Project 2010 interface:
 - ▶ Install .Net framework 4.0 Client Profile or Full version by clicking on the \Install\dotNetFx40_Client_setup.exe
 - ▶ Install Visual Studio Tools for Office (VSTO) for Win32 or Win64 platforms by clicking on the \Install\vstor40_x86.exe or \Install\vstor40x64.exe
 - ▶ Install MSProjectAddIn and macros for MS Project 2010. You have to run cmd file from \MSProjectAddIn\Install.cmd
 - ▶ All the relevant files can be found in a new folder called MSP2010 in the Artemis\Client folder. All the applications referenced are Open Source so there are no licensing implications.
 - ▶ Apply the SAVE AS MPX option to Microsoft Project:
 1. Locate the file called AR9000.mpp, found in the Client subdirectory.
 2. Double-click the file, which will locate and open your existing MSP.
 3. Click to Enable Macros.

Note: You may need to temporarily lower the security level for MSP to medium until after installing the Macros. An empty project will be opened and the "Save an MPX" option will be shown on the MSP Files drop down menu list.