

# Oracle® Tuxedo Mainframe Adapter for SNA

Release Notes

12c Release 1 (12.1.1)

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# Oracle Tuxedo Mainframe Adapter for SNA Release Notes

The following topics are discussed in this document.

- [About Oracle Tuxedo Mainframe Adapter for SNA 12c Release 1 \(12.1.1\)](#)
- [Supported Platforms](#)
- [Fixed Problems](#)

## About Oracle Tuxedo Mainframe Adapter for SNA 12c Release 1 (12.1.1)

Oracle Tuxedo Mainframe Adapter for SNA is a domains-based product that provides bi-directional connectivity between Oracle Tuxedo clients or servers and mainframe applications. The mainframe applications may use Customer Information Control System/Extended System Architecture (CICS TS) and Information Management System (IMS) implicit LU6.2, or any IBM-supported Application Program-to-Program Communication (APPC) or CICS TS interface.

### New Product Features

The following new feature is available in Version 12c Release 1 of the Oracle Tuxedo Mainframe Adapter for SNA product:

- Support for Tuxedo 12c Release 1 (12.1.1)
- SNA gateway supports nested view
- SNA gateway supports TSAM monitor

- CRM connects to multiple CICS/IMS regions
- CRM connects to multiple SNA gateways

SNA gateway Rolling Patch 006 includes the following new features and enhancements:

- Support for multi-byte character set (MBCS)

Besides single-byte character set (SBCS) character set translation, Oracle Tuxedo Mainframe Adapter for SNA now supports multi-byte character set (MBCS) translation. This feature allows translation among more than 200 different SBCS and MBCS character sets.

For more information, see "[Multi-byte Character Set \(MBCS\) Support](#)" in *Oracle Tuxedo Mainframe Adapter for SNA Users Guide*.

SNA gateway Rolling Patch 007 (with CRM Rolling Patch 004) includes the following new features and enhancements:

- Support for channel/container in inbound DPL

The channel and container model provides an easy and flexible mechanism for exchanging large volumes of structured parameter data between CICS programs.

For more information, see "[Channel/Container Support in Inbound DPL](#)" in *Oracle Tuxedo Mainframe Adapter for SNA Users Guide* and "[CICS/ESA DPL to ATMI Request/Response Server for Channel/Container](#)" in *Oracle Tuxedo Mainframe Adapter for SNA Reference Guide*.

SNA gateway Rolling Patch 013 (with CRM Rolling Patch 006) includes the following new features and enhancements:

- CRM trace retrieval

SNA gateway uses `crmretrc` on open systems to retrieve trace from CRM. You can use `crmretrc` from any machine located on the same TCP/IP network when it is running the CRM server.

For more information, see "[crmretrc](#)" and "[CRM](#)" in *Oracle Tuxedo Mainframe Adapter for SNA CRM Administration Guide*.

SNA gateway Rolling Patch 014 includes the following new features and enhancements:

- Support for customized call ID

You can retrieve customized call ID from every Oracle Tuxedo Mainframe Adapter incoming call message. Many buffer types support this feature, including CHANNEL/CONTAINER, VIEW, and FML32. Call ID is composed of fields; you can

choose to put one or more fields to each call ID in configuration file. Oracle Tuxedo Mainframe Adapter for SNA Gateway loads and parses the configuration file at initialization, and generates a call ID depending on it when decoding an inbound request and sets this call ID to message.

**Note:** This feature requires TSAM Plus 12.1.1.0 Rolling Patch 020 or above, and TSAM Plus Manager 12.1.3.0.

For more information, see "[Configurations for Customized Call ID Support](#)" in *Oracle Tuxedo Mainframe Adapter for SNA Users Guide* and "[Call Path](#)" in *Oracle Tuxedo System and Applications Monitor Plus Console Users Guide*.

## Supported Platforms

The following sections list the supported platforms for each of the Oracle Tuxedo Mainframe Adapter for SNA components.

### Supported Oracle Tuxedo Mainframe Adapter for SNA Gateway Platforms

[Table 1](#) provides a list of Oracle Tuxedo Mainframe Adapter for SNA Gateway supported platforms.

Table 1 Oracle Tuxedo Mainframe Adapter for SNA Gateway Supported Platforms

Operating System
HP-UX 11i v2 (64-bit) Itanium
IBM AIX 6.1 (64-bit) on IBM PowerPC
Novell SUSE Linux Enterprise Server 10 (64-bit) on s390x
Red Hat Enterprise Linux 5.5 (64-bit) on x86-64
Red Hat Enterprise Linux 6.2 (64-bit) on x86-64
Oracle Linux 5.5 (64-bit) on x86-64
Oracle Linux 5.8 (64-bit) on Exalogic 2.0
Oracle Linux 6.2 (64-bit) on x86-64
Oracle Solaris 10 (64-bit) SPARC

**Note:** 32-bit Oracle Tuxedo Mainframe Adapter for SNA can run on a 64-bit machine. However, it *must* run on a 32-bit version of Oracle Tuxedo. It cannot run on a 64-bit version of Oracle Tuxedo.

For more information, see [Oracle Tuxedo Mainframe Adapter for SNA Certified Platform Tables](#).

## Supported Communications Resource Manager (CRM) Platforms and Required Stacks

[Table 2](#) provides a list of CRM supported platforms and stacks.

Table 2 CRM Supported Platforms

Platform	Stack
Red Hat Enterprise Linux 5.5 (64-bit) on x86-64	Communications server 6
Oracle Linux 5.5 (64-bit) on x86-64	Communications server 6
z/OS V1R11 (31 and 64-bit) (MVS)	VTAM V1R11
z/OS V1R12 (31 and 64-bit) (MVS)	VTAM V1R12
z/OS V1R13 (31 and 64-bit) (MVS)	VTAM V1R13
z/OS V2R1 (31 and 64-bit) (MVS)	VTAM V2R1

For more information, see [Oracle Tuxedo Mainframe Adapter for SNA Certified Platform Tables](#).

## Supported Mainframe Software

[Table 3](#) provides a list of IBM host software supported by Oracle Tuxedo Mainframe Adapter for SNA.

**Table 3 Supported Mainframe Software**

Platform
CICS Transaction Server 3.1, 3.2, 4.1, 4.2
IMS Version 9, 10, 11

## Fixed Problems

This section describes known problems from the prior release of the Oracle Tuxedo Mainframe Adapter for SNA that have been fixed with the current release of the Oracle Tuxedo Mainframe Adapter for SNA software. [Table 4](#) lists a bug number for each problem.

**Table 4 Fixed Problems**

Bug Number	Description and Workaround or Solution
14401773	WHEN CRM DOWN, THE LINKS STATUS OF SNA GATEWAY STILL KEEP ACTIVE
14376979	CRM CRASHES WHEN CONTACTED BY NOT DEFINED CICS
14345365	DEPLOY JCLS ARE MISSING IN CRM PACKAGE
14249692	FML32/VIEW32 TRANSLATION NOT WORKING
13995214	CRM : AUTOMATIC RECONNECTION TO MULTIPLE REMOTE LUS UPON FAILURE
13965067	ADD PATCHLEVEL ATTRIBUTE WITHIN RELEASE XML ELEMENT OF REGISTRY.XML
13920577	GW / CRM HEART BEAT DOESN'T WORK
12710105	ASSERTION FAILED: 0, FILE HP62_SVR.CPP, LINE 1189 WHILE BOOTING CRM ON SNA STACK
12364268	GWSNAX NEED TO BE CHANGED TO SUSPEND WHEN A CICS IS DOWN
11876268	LIBTUX_CAT:541 + 557 : SERVER GWSNAX TERMINATED AND BEING RESTARTED

Table 4 Fixed Problems

Bug Number	Description and Workaround or Solution
11811571	GWSNAX NEEDS TO SUPPORT DPL FROM ART CICS RT
11741610	SUPPORT OF 64BITS DATATYPES ON VIEW32 GENERATE VIEWS
11652922	GWSNAX TRANSLATES DATATYPE LONG OF VIEW32 BY ERROR ON HP-UX IA 64BIT
10397108	LIBGWS_CAT 9062 ERROR: EXCHANGE LOGS REJECTED FOR FCM1, RESTART TYPE OR LOG NAM
10167149	ERROR: APPC LISTENER TASK (SIMPSTK1) FAILED WITH FAILCODE INPUTOUTPUT
9975026	TMA SNA SIMPAPP DTP SERVER ABEND ATCV WHEN TUXEDO CLIENT FAILED WITH TPETIME
9634166	CRM CRASH WHILE SIMULTANEOUS OUTBOUND TRANSACTIONS RUNNING