This document provides release notes for Oracle Communications Network Intelligence Release 7.2.2, consisting of the following sections:

- New Features in Release 7.2.2
- Fixes in Release 7.2.2
- Known Problems in Release 7.2.2
- Documentation Updates in Release 7.2.2

This document also provides release notes for Network Intelligence Release 7.2.2 patch sets:

- Release 7.2.2.3 (Patch Set 3). See the following sections for more information:
  - About Network Intelligence 7.2.2 Patch Set 3
  - New Features in Release 7.2.2 Patch Set 3
  - Documentation Updates in Release 7.2.2 Patch Set 3
- Release 7.2.2.2 (Patch Set 2). See the readme file delivered with the patch software for more information.
- Release 7.2.2.1 (Patch Set 1). See the following sections for more information:
  - About Network Intelligence 7.2.2 Patch Set 1
  - New Features in Release 7.2.2 Patch Set 1

**About Network Intelligence 7.2.2 Patch Set 3**

This section provides information about Network Intelligence 7.2.2.3 (Patch Set 3).

The Network Intelligence documentation is up to date with information pertaining to the new features in this release. See "New Features in Release 7.2.2 Patch Set 3" and "Documentation Updates in Release 7.2.2 Patch Set 3" for more information.

The Network Intelligence 7.2.2 Patch Set 3 client is certified on Java SE 7 update 51 (1.7_51).

For a list of fixed and known issues, see the readme file delivered with the patch software.

To install Network Intelligence 7.2.2 Patch Set 3, see the readme file delivered with the patch software.
About Network Intelligence 7.2.2 Patch Set 1

This section provides information about Network Intelligence 7.2.2.1 (Patch Set 1). The Network Intelligence documentation is up to date with information pertaining to the new features in this release. See "New Features in Release 7.2.2 Patch Set 1" for more information.

Network Intelligence 7.2.2 Patch Set 1 is certified on Java SE 6 update 45 (1.6_45). For a list of fixed and known issues, see the readme file delivered with the patch software.

To install Network Intelligence 7.2.2 Patch Set 1, or to upgrade from release 3.4.2.x to release 7.2.2 Patch Set 1, see Network Intelligence Installation Guide.

To patch Network Intelligence release 7.2.2 with release 7.2.2 Patch Set 1, follow the instructions in the readme provided with the patch software.

New Features in Release 7.2.2 Patch Set 3

The new features in Network Intelligence 7.2.2 Patch Set 3 are:

- Enhanced User-Access Management
- Card Modeling Enhancements
- Security Enhancements

Enhanced User-Access Management

Network Intelligence is enhanced to allow you to manage user access using a combination of Roles, Regions, and Technologies. Network Intelligence comes with a set of preconfigured roles that grant users a range of privileges.

You can define geographic regions that grant users the ability to perform actions on entities within the specified geographical area.

You can define technologies that grant users the ability to perform actions on specific types of entities.

Depending on the roles, regions, and technologies that you assign to a user, a user is enabled to perform certain tasks on certain technologies, in certain regions.

See Network Intelligence System Administrator’s Guide for more information.

Card Modeling Enhancements

Network Intelligence is enhanced to allow you to model card definitions with sub-cards on them. Cards can be modeled to have multiple different kinds of ports.

Security Enhancements

The Network Intelligence 7.2.2 Patch Set 3 client is certified on Java SE 7 update 51 (1.7_51).

Oracle recommends that you obtain a commercial, third-party security certificate for Network Intelligence.
If you use a self-signed security certificate, you must configure the Java security settings to add the Network Intelligence server to the Java site exception list. See *Network Intelligence Installation Guide* for more information.

**New Features in Release 7.2.2 Patch Set 1**

The new features in Network Intelligence 7.2.2 Patch Set 1 are:

- Trail Protection
- Core Loader Enhancements
- Security Enhancements
- Trail Enhancements for Channel Consumption
- Historical Trail Data Storage
- Inter-Site Trail Routing

**Trail Protection**

Network Intelligence allows you to model protection trails for existing trails. The protection trails can either fully or partially protect existing trails.

The trail view is enhanced to identify the protection status for the trail, where the Protection column displays one of the following values:

- **Protected**: the selected trail is protected by another trail whose protection status is Protection. Trails with a protection status of Protected are the working trail.
- **Protection**: the selected trail protects another trail whose protection status is Protected. Trails with a protection status of Protection are alternate trails to the working trail.
- **Unprotected**: the selected trail does not have a protection trail.

When you upgrade to Network Intelligence 7.2.2. Patch Set 1, all existing trails are updated with the correct protection status attribute value.

You can search for trails using the protection status as filtering criteria.

The Hop-By-Hop report is enhanced with a new column for Protection status for trails. Because trail paths can contain cross connects, cross connects are also enhanced with the following protection status values: Protected, Protection, and Unprotected.

See *Network Intelligence Concepts* for more information about protection trails. See the Network Intelligence Help for information about protecting an existing trail.

**Core Loader Enhancements**

The core loader (also called the nightly loader) is enhanced to load data in bulk. Network Intelligence administrators can configure the core loader to run either incrementally or in bulk mode.

The incremental loading functionality is unchanged, and is the default loader configuration.

Running the loader in bulk mode loads data more quickly than when the loader is configured to load data incrementally. However, when configured to load data in bulk, the loader uploads all the data from the staging schema into the core schema.
Running the loader in bulk mode is ideal for loading the core schema for the first time, thereafter, you should configure the loader to load data incrementally.

See *Network Intelligence System Administrator’s Guide* for more information.

**Security Enhancements**

The Network Intelligence installation process ensures a more secure setup and installation by requiring a signed security certificate and keystore password. The install wizard no longer provides default certificate values.

Oracle recommends that you obtain a commercial, third-party security certificate before installing Network Intelligence.

**Trail Enhancements for Channel Consumption**

Network Intelligence supports the consumption of multiple channels when aggregating trails over the same parent trail.

**Historical Trail Data Storage**

Network Intelligence can be configured to save all trail data over time. The data is saved in a new database table called TRAIL_STAT_HIST. You can write custom reports that act on the data. For example, you can report on the data to determine the future exhaustion dates and overbooking rates for services.

By default, Network Intelligence saves historical trail data.

**Inter-Site Trail Routing**

Network Intelligence allows you to route trails that start and end in the same site. You can route trails by specifying the start and end equipment.

**New Features in Release 7.2.2**

The new features in Network Intelligence 7.2.2 are:

- Coordinated OSS Suite Release
- Installation Improvements

**Coordinated OSS Suite Release**

Network Intelligence is part of a coordinated release of the Oracle Communications OSS (Operational Support Systems) application suite. Network Intelligence and other OSS applications are designed to work together seamlessly on a common platform with a unified user experience. The other applications in the suite are Oracle Communications Unified Inventory Management (UIM), Oracle Communications Network Integrity, Oracle Communications Order and Service Management (OSM), and Oracle Communications Design Studio.

The OSS suite is designed for scalability, making it suitable for deployments that range from small single-server development and test environments to large-scale, multi-node cluster implementations that deliver optimized performance and high availability.
Installation Improvements

The Network Intelligence installation process is enhanced with support for installing into a clustered environment.

See Network Intelligence Installation Guide for more information.

Fixes in Release 7.2.2

There are no fixes in this release of Network Intelligence.

Known Problems in Release 7.2.2

There are no known problems in this release of Network Intelligence.

Documentation Updates in Release 7.2.2 Patch Set 3

The following enhancements have been made to the Network Intelligence documentation:

- Network Intelligence Installation Guide is enhanced with hardware sizing guidelines.
- Network Intelligence System Administrator’s Guide is enhanced with a rewritten and reorganized chapter on user security.

Documentation Updates in Release 7.2.2

The following enhancements have been made to the Network Intelligence documentation:

- A new Network Intelligence Concepts provides an overview of important concepts and an introduction to using Network Intelligence.
- A new Network Intelligence Security Guide provides guidelines and recommendations for setting up Network Intelligence in a secure configuration.
- The Network Intelligence online Help is significantly enhanced to offer clearer and more complete procedural information.
- There are now separate guides for installation and system administration.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.