

Oracle Insurance Loss Modeller

Security Guide

Release 8.1.x

December 2021

ORACLE
Financial Services

Oracle Insurance Loss Modeler Security Guide

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Document Control

Table 1: Document Version Control

Version Number	Revision Date	Change Log
1.0	December 2021	This document captures the necessary security-related configurations.

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1 Preface

The Oracle Insurance Loss Modeler application (developed on Oracle Financial Services Analytical Applications Infrastructure) provides the configuration of security parameters and this guide provides information about the configurations required and how to set it. You can find the latest copy of this document in the OHC Documentation Library which includes all the recent additions or revisions (if any) done to date. The information contained in this document is intended to give you a quick exposure and an understanding of the security configurations required after the installation of Oracle Financial Services Loan Loss Forecasting and Provisioning application.

Topics:

- [Intended Audience](#)
- [Prerequisites](#)
- [Related Information Sources](#)

1.1 Intended Audience

This guide is intended for System Administrators (SA) who are instrumental in installing and performing secure configurations for the Oracle Insurance Loss Modeler application.

1.1.1 Prerequisites

It is assumed that the SAs are proficient in UNIX, Database Administration, and Web Application Administration to install and configure OFSAAI in the released environment. This document assumes that you have experience installing Enterprise components and basic knowledge about the following:

- Oracle Financial Services Loan Loss Forecasting and Provisioning
- Oracle Financial Services Analytical Applications Infrastructure components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web server or web application server

1.2 Related Documents

The list of related documents is as follows:

- [*Oracle Insurance Loss Modeler Installation and Configuration Guide 8.1.x*](#)
- [*OFS Analytical Applications Infrastructure Security Guide*](#)
- [*OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide*](#)
- [*Oracle Financial Services Data Foundation Data Protection Implementation Guide Release 8.1.x*](#)

2 Install the Oracle Insurance Loss Modeler Application

For detailed installation steps, see the [Oracle Insurance Loss Modeler Installation and Configuration Guide Release 8.1.x.0.0](#).

3 Set the Secure Configurations

The Oracle Insurance Loss Modeler application components are developed on the OFSAA infrastructure and use the OFSAAI secure configurations.

See the following sections to configure the security parameters in OFSAAI.

3.1 Security Configurations

Configure a set of security parameters to have a secure environment for OFSAA installation. The required configurations are presented in the following list. For more details on the configurations, see the [OFSAAI Administration and Configuration Guide](#) and the [OFSAAI Security Guide](#).

- **Oracle Data Redaction:** This is an Oracle Database Advanced Security option to enable data protection. It is used to mask (redact) sensitive data shown to the user in real-time. To enable this option during installation, see the *Enabling Data Redaction* section in the [OFSAAI Installation and Configuration Guide](#). To enable after installation, see the *Data Redaction* section in the [OFSAAI Administration and Configuration Guide](#).
- **CSRF Enabled:** This option results in setting the CSRF tokens in requests. The OFSAAI System Configuration UI provides the option to enable or disable CSRF. For more information about enabling CSRF, see the *Update General Details* section in the [OFSAAI User Guide](#).
- **Key Management:** The OFSAA configuration schema (CONFIG) is the repository to store passwords for users and application database schemas centrally. These values are AES 128-bit encrypted using an encryption key uniquely generated for each OFSAA instance during the installation process. The OFSAA platform provides a utility (`EncryptC.sh`) to rotate or generate a new encryption key if required.

The *Key Management* section in the [OFSAAI Administration and Configuration Guide](#) explains how to generate and store this key in a Java Key Store.

NOTE

Integration with any other Key Management solution is out of the scope of this release.

- **File Encryption:** OFSAA supports file encryption using AES 256-bit format. For more information, see the *File Encryption* section in the [OFSAAI Administration and Configuration Guide](#).

4 Secure Header Configuration

Secure header configurations protect you from website attacks such as XSS and Clickjacking. For more information, see the *Secure Header Configurations* chapter in the [OFSAAI Security Guide](#).

5 Web Application Server Security Configurations

Depending on your configured web application server, see the sections in the *Web Application Server Security Configurations* chapter in the [OFSAAI Security Guide](#).

6 Additional Security Configurations

See the [OFSAAI Security Guide](#) for more information.

7 Secure Database Connection Configurations

See the [OFSAA Security Guide](#) on how to secure database connection configurations.

8 Appendix A - Servlet Filter Configurations

See the [OFSAA Security Guide](#) on how to configure the servlet filters.

OFSAA Support

Raise a Service Request (SR) in [My Oracle Support \(MOS\)](#) for queries related to the OFSAA applications.

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