



Ensemble Release Notes

Version 2017.1
08 November 2016

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Table of Contents

| | |
|--|----------|
| About This Book | 1 |
| 1 New Features and Enhancements | 3 |
| 1.1 Improved Efficiency for Message Search | 3 |
| 1.2 Record Mapper Can Ignore Fields when Loading Files | 3 |
| 1.3 Ability to Create Namespaces that are not Enabled for Ensemble | 4 |
| 1.4 Minor Enhancements | 4 |
| 1.5 Caché 2017.1 Features | 4 |

About This Book

Welcome and thank you for using Ensemble 2017.1.

This book describes the new features in this release of Ensemble. For information about upgrade compatibility and other issues, see the copy of this document provided with the release. This document contains only the following chapter:

- [New Features and Enhancements](#)

There is also a detailed [table of contents](#).

InterSystems Ensemble shares many underlying core technologies with InterSystems Caché. This book refers you to books in both documentation sets. The Caché books are particularly important as you first set up the system. After initial configuration, the Ensemble books become your primary source of information. The following books are the best places to start if you are new to Ensemble:

- *Preparing to Use Ensemble* provides a road map for installing, upgrading, and getting started with Ensemble.
- *Introducing Ensemble* provides an overview of product features.
- *Ensemble Best Practices* describes best practices for designing, developing, and maintaining Ensemble productions.

For general information, see *Using InterSystems Documentation*.

1

New Features and Enhancements

This chapter describes the following new features and enhancements:

- [Improved Efficiency for Message Search](#)
- [Record Mapper Can Ignore Fields when Loading Files](#)
- [Ability to Create Namespaces that are not Enabled for Ensemble](#)
- [Minor Enhancements](#)
- [Caché 2017.1 Features](#)

1.1 Improved Efficiency for Message Search

In this release there are substantial efficiency improvements in message search. One of these improvements depends on a new property in search tables that can identify properties as not selective. This information allows Ensemble to efficiently search messages because:

- The SQL search engine can perform more efficient searches if it has access to information about the parts of the search query that substantially reduces the number of messages in the result set.
- Some properties are highly selective, for example, there will be very few records that have a ID value. With other properties, such as message type, there can be very many records with the same value. These properties are not selective.
- There is no way for Ensemble to automatically determine which properties are selective and which are not.

To mark a property as not being selective, assign a true value to the unselective property in the VDOC search table XData block.

1.2 Record Mapper Can Ignore Fields when Loading Files

In this release, you can specify that some fields in a Record Map should be ignored and not included in the Ensemble message. If a delimited or fixed-column file contains many fields but you only need a limited subset, you can improve efficiency and reduce storage requirements by ignoring unneeded fields. To specify that a field should be ignored, select **ignore** in the Record Mapper Field panel or set `ignored=1` in the XData block.

In addition, the Record Mapper now displays the field's SQL column number and index type in the list of fields.

1.3 Ability to Create Namespaces that are not Enabled for Ensemble

In certain circumstances, it is useful to create namespaces that are not enabled for Ensemble. In this release you can do this by clearing the **Make this an Ensemble namespace** checkbox when creating a new namespace.

1.4 Minor Enhancements

In addition, this release contains the following minor enhancements:

- Message traces include information from rule logs.
- Activity Monitor includes message class or vDoc type in the site dimension column for some messages.
- Support for EDIFACT documents with explicit indication of level of repetition.
- Showing connection lines in Production Configuration page between router and delegate targets.
- TCP internal event notification improvements.
- Improvements to processing Super Session IDs.

1.5 Caché 2017.1 Features

Ensemble 2017.1 runs on top of Caché 2017.1. This means that, in addition to changes in Ensemble between 2016.2 and 2017.1, the new Ensemble release includes a large number of updates in the underlying Caché technologies.

Caché 2017.1 has the following important new features described in the *Caché Release Notes*:

- FIPS 140-2 Validated Cryptography for Caché Database Encryption
- DeepSee Improvements
- Improved Docbook Search
- iKnow REST API
- Feature Tracker
- iKnow REST API and Other Enhancements

To learn about these and other Caché changes that may relate to your Ensemble environment, begin with the InterSystems online documentation set called *Getting Started with Caché*. See “New and Enhanced Features for Caché 2017.1” in the *Caché Release Notes*.

If you are upgrading, also see the *Caché Upgrade Checklists*.