



# **MCA Services Upgrade Guide**

Version 2005, Rev. A

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# 1

## What's New in This Release

### What's New in MCA Services Upgrade Guide, Version 2005, Rev. A

Table 2 lists changes in this version of the document to support the Siebel Foundation Services version 2005 stand-alone release.

Table 1. What's New in MCA Services Upgrade Guide, Version 2005, Rev. A

Topic	Description
<a href="#">Upgrade Path, page 7</a>	Added Foundation Services upgrade path.

### What's New in MCA Services Upgrade Guide, Version 2005

Version 2005 is the first release of the MCA Services Upgrade Guide. This book covers specific upgrade issues when upgrading from MCA Services version 2004.5.3 or 2004.5.4 to MCA Services version 2005. Table 2 lists the upgrade issues covered.

Table 2. What's New in MCA Services Upgrade Guide, Version 2005

Topic	Description
Database Changes, page 7	This section lists new and changed database tables and columns introduced in MCA Services version 2005.
BankframeResource.properties Changes, page 8	This section lists new BankframeResource.properties keys introduced in MCA Services version 2005.
BankframeMessages.properties Changes, page 9	This section lists new BankframeMessages.properties attributes introduced in MCA Services version 2005.
Deprecations, page 10	This section lists deprecations introduced in the release. No deprecations have been introduced in MCA Services version 2005.



# 2 Upgrading to MCA Services V2005

For a Siebel Retail Finance release this guide covers upgrade issues for MCA Services as supplied in the banking application EAR. For a Foundation Services release this guide covers upgrade issues for the stand-alone Foundation Services release.

The terms MCA Services and Foundation Services are used interchangeably in this document. MCA Services encompasses the Financial Process Integrator engine and the Statemachine.

The following MCA Services upgrade issues are covered:

- Upgrade Path
- Database Changes
- BankframeResource.properties Changes
- BankframeMessages.properties Changes
- Deprecations

The changes listed in this guide must be applied to the MCA Services databases and property files to upgrade to MCA Services version 2005.

## Upgrade Path

### MCA Services Upgrade Path

This upgrade guide covers upgrading from MCA Services version 2004.5.3 or 2004.5.4 to MCA Services version 2005.

### Foundation Services Upgrade Path

This upgrade guide covers upgrading from Foundation Services version 2004.5.3 to Foundation Services version 2005.

## Database Changes

This section covers the following new and changed database tables and columns:

- INDEX\_META\_DATA Table
- RESPONSE\_INDEX Table

- INDEXNAME Column

## INDEX\_META\_DATA Table

The INDEX\_META\_DATA table has been added to define the structure of a cache index. This table has the following SQL definition:

```
INDEX_NAME varchar(100) not null
CACHE_NAME varchar(40) not null
DP_NAME varchar(40) not null
DP_FIELD varchar(40) not null
Primary Key(INDEX_NAME, DP_NAME, DP_FIELD)
```

## RESPONSE\_INDEX Table

The RESPONSE\_INDEX table has been added to identify which cache indices should be populated from a host response. This table has the following SQL definition:

```
TXN_CODE varchar(15) not null
TXN_TYPE varchar(10) not null
INDEX_NAME varchar(100) not null
Primary Key(TXN_CODE, TXN_TYPE, INDEX_NAME)
```

## INDEXNAME Column

The INDEXNAME column has been added to the PERSISTENT\_TXN\_MAP table to identify which cache index, if any, should be used to service the request. The INDEXNAME column has the following SQL definition:

```
Add column INDEXNAME varchar(100)
```

# BankframeResource.properties Changes

This section covers the following new BankframeResource.properties keys:

- ldap.context.cache
- channel.https.ssl.protocol
- channel.https.ssl.provider
- console.logger
- cache.index.<INDEX\_NAME>



## Ldap.context.cache

The Ldap.context.cache key has been added to make the server context caching configurable. This setting only needs to be configured if you want to enable caching. If this property is not present in the BankFrameResource.properties file the value defaults to False.

### Configuring Ldap.context.cache

Configure as `ldap.context.cache=true` to enable server context caching

Configure as `ldap.context.cache=false` or delete the key from BankFrameResource.properties to disable server context caching

## channel.https.ssl.protocol

The SSL (Secure Sockets Layer) protocol class used by `com.bankframe.ei.channel.client.HttpsClient` can now be configured. The `channel.https.ssl.protocol` setting specifies the SSL protocol class that is used in the `java.protocol.handler.pkgs` system property. The configuration depends on the application server.

### Configuring channel.https.ssl.protocol

Configure as `channel.https.ssl.protocol=com.sun.net.ssl.internal.www.protocol` for WebLogic.

Configure as `channel.https.ssl.protocol=com.ibm.net.ssl.internal.www.protocol` for WebSphere.

## channel.https.ssl.provider

The SSL provider class used by `com.bankframe.ei.channel.client.HttpsClient` can now be configured. The `channel.https.ssl.provider` setting specifies the JSSE (Java Secure Socket Extension) SSL provider class that is used in conjunction with `channel.https.ssl.protocol`. The syntax is `channel.https.ssl.provider=<java.security.Provider class>`. The configuration depends on the application server.

### Configuring channel.https.ssl.provider

Configure as `channel.https.ssl.provider=com.sun.net.ssl.internal.ssl.Provider` for WebLogic.

Configure as `channel.https.ssl.provider=com.ibm.jsse.JSSEProvider` for WebSphere.

## console.logger

The logging of debug messages in the generic console logging framework has been made configurable. Turning off console logger debug messages reduces output and improves performance. The syntax is `console.logger=<Logging level to use>`.

## Configuring console.logger

Configure as `console.logger=DEBUG` to enable debug level logging.

Configure as `console.logger=` (that is, leave the value blank) to disable debug level logging.

## cache.index.<INDEX\_NAME>

The `cache.index.<INDEX_NAME>` key specifies the name of a cache index and the `CacheIndexer` class for managing the cache index. If there is no entry in the `BankframeResource.properties` file for `INDEX_NAME`, the `CacheIndexFactory` returns an instance of `CacheIndex` by default. If a specific `CacheIndexer` is not defined the default `CacheIndexer` is used.

## Configuring cache.index.<INDEX\_NAME>

The syntax is `cache.index.<INDEX_NAME>=<CacheIndexerClass>`.

# BankframeMessages.properties Changes

## Localizable Arguments

Support for localizable arguments has been added to the MCA Services messaging framework. Localizable message arguments in `BankframeMessages.properties` are appended with an `18n` qualifier to indicate that the argument needs to be localized. The argument is translated from a logical value to a localized textual value before being added to the message.

For example, the `BankframeMessages.properties` entry `200103=Validation Exception, the {0} value is required to be less than or equal to a length of {1}` becomes `200103=Validation Exception, the {0,18n} value is required to be less than or equal to a length of {1}` to support localized arguments.

## Deprecations

No deprecations have been introduced in this release.