

# WhatsNew13

## What is new in BTM version 1.3

BTM underwent many changes for version 1.3. Here is a short summary of what's new and noteworthy.

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## New Features

### JNDI provider

- The new JNDI provider and the new `jndiUserTransactionName` config property.

### Journal

- The new Null journal and the related `journal` config property.

### Recoverer

- Incremental recovery.

### Resource loader

- The `bitronix.tm.resource.bind` property is now useless and has been removed.
- Resource creation failures don't block the transaction manager startup anymore and can be retried in the background with the new `retryUnrecoverableResourcesRegistrationInterval` config property.

### Transaction manager

- No shutdown hook is registered anymore.
- Handling of unilateral resources rollback.
- Transaction termination can be directly controlled, no more need to use the `TransactionManager` interface.
- Per-resource timeout.
- Transactions are now marked as rollback only when a timeout happens.
- The new resources ordering algorithm and the new `twoPcOrderingPosition` resource bean property.
- The removal of the `bitronix.tm.timer.transactionRetryInterval` config property.

### Misc

- JMX can be disabled with the new `disableJmx` config property.

## Integration

### Tomcat 5.5.x / 6.x

- A new class that plugs into Tomcat to maintain BTM's lifecycle (ie: startup / shutdown): [btm-tomcat55-lifecycle.jar](#). Copy the jar to the `$TOMCAT_HOME/server/lib` folder then edit `$TOMCAT_HOME/conf/server.xml` and add this below the other lifecycle listeners: `<Listener className="my.package.BTMLifecycleListener" />`

### Jetty 6.x

- A new class that plugs into Jetty to maintain BTM's lifecycle (ie: startup / shutdown): [btm-jetty6-lifecycle.jar](#). Register it in your `jetty.xml` with a `<Call name="addLifeCycle">` tag.

## Upgrading from version 1.2

### Checklist

- Old resource creation mechanism (`ResourceBean.createResource()`) has been removed.
- Get rid of the `bitronix.tm.resource.bind` property in the resource loader's config file if present.
- Get rid of the `bitronix.tm.timer.transactionRetryInterval` config property if set.
- Make sure you manually shutdown the transaction manager.
- `CryptoEngine` moved to `bitronix.tm.utils` package.