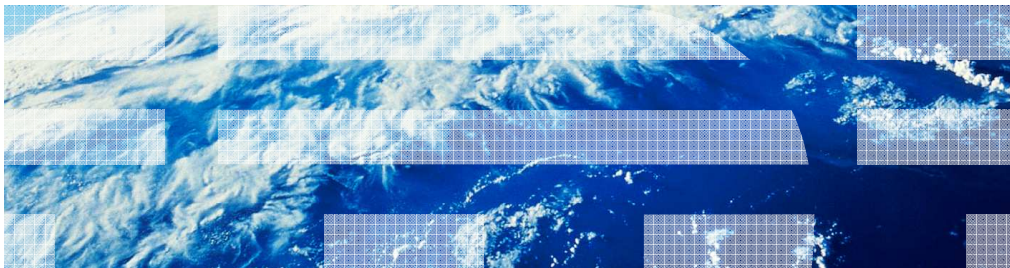


# IBM WebSphere Application Server V8.5

## Automatic re-enablement of messaging engine



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This presentation describes support for automatic re-enablement of the messaging engine included in IBM WebSphere Application Server V8.5.

## Automatic re-enablement of messaging engine

- Behavior before V8.5
  - In a highly available configuration on database connectivity failure the messaging engine instance gets into disabled state.
  - Messaging engine instance is not available for failover
  - Manual intervention is required to enable the messaging engine
- New behavior as of V8.5
  - The disabled messaging engine gets re-enabled after 30 seconds
  - Re-enabled messaging engine is available for failover without manual intervention
  - New custom property `sib.meEnableInstanceOnFailure` added ( default – true)
  - This feature is applicable only for messaging engine using database

In a highly available configuration Before WebSphere Application Server V8.5, the messaging engine tries to connect the database and acquire the lock. If there is any connectivity failure in the initial activation or any intermediate database connectivity failures, the messaging engine instance is disabled. That messaging engine is not available for failover. It has to be manually re-enabled through core group policy settings.

In WebSphere Application Server V8.5, the disabled messaging engine is re-enabled after 30 seconds. The re-enabled messaging engine is then available for failover. Before activating this instance again, the high availability manager checks for the database connectivity, and if the connection succeeds, it activates the instance. The messaging engine is re-enabled for five times and beyond that it remains in disabled state. It has to be manually re-enabled through core group policy settings.

A new custom property called `sib.meEnableInstanceOnFailure` has been added, with a default of “true,” so a disabled messaging engine will get automatically re-enabled. This feature can be disabled by setting the value for this property to “false.”

## ***Usage scenarios***

Automatic re-enablement of the messaging engine is used in the following scenario.

## One messaging engine instance loses database connectivity for a shorter duration

- A WebSphere Application Server administrator wants to automatically re-enable the messaging engine, which became disabled because of a database connectivity failure, after 30 seconds

This feature is mainly applicable in a highly available environment. If a messaging engine instance loses the database connectivity, the high availability manager disables the messaging engine and fails over to the other messaging engine instance. With this feature the disabled, the messaging engine gets automatically re-enabled after 30 seconds.

## ***Summary***

This section contains a summary.

## Summary

- Disabled messaging engine gets automatically re-enabled after sometime and available for failover
- Applicable only for messaging engine using data store

With this feature, the messaging engine that became disabled due to a database connectivity failure gets re-enabled after 30 seconds and is available for failover. This feature is applicable for messaging using database as message store.

## References

- Information on the new custom property  
[http://publib.boulder.ibm.com/infocenter/wasinfo/beta/index.jsp?topic=%2Fcom.ibm.websphere.nd.doc%2Fae%2Frj\\_custom\\_props.html](http://publib.boulder.ibm.com/infocenter/wasinfo/beta/index.jsp?topic=%2Fcom.ibm.websphere.nd.doc%2Fae%2Frj_custom_props.html)

See these references for additional information about the automatic re-enablement of the messaging engine.



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