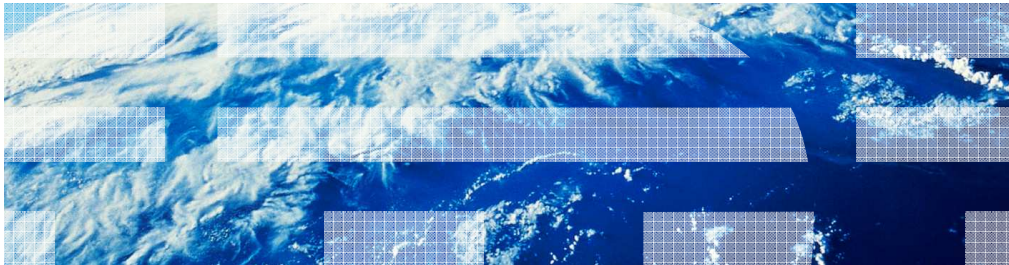


# IBM WebSphere Application Server V7.0.0.21 and V8.0.0.2

## Enhancements to the sibDDLGenerator command



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This presentation describes enhancements to the sibDDLGenerator feature included in IBM WebSphere® Application Server V7.0.0.21 and V8.0.0.2

## sibDDLGenerator enhancements

- A messaging engine needs data definition language (DDL) statements to create the DBMS (Database Management System) resources. These DBMS resources are generated by the **sibDDLGenerator** command.
- The **sibDDLGenerator** command, without this feature, creates the CREATE DATABASE statement DDL and creates these tablespaces:

<i>OWNERTS</i>	<i>OWNEROTS</i>
<i>MAPTS</i>	<i>LISTTS</i>
<i>SIB000TS</i>	<i>SIB000LS</i>
<i>SIB001TS</i>	<i>SIB001LS</i>
<i>SIB002TS</i>	<i>SIB002LS</i>
<i>XACTSTS</i>	<i>KEYTS</i>

So if the same database has to be shared by multiple messaging engines:

1. Remove the CREATE DATABASE statement DDL
2. Modify the tablespace names from the generated DDLs by the sibDDLGenerator command.

Before these enhancements, the sibDDLGenerator command created the CREATE DATABASE statement DDL and created the tablespaces listed here.

If the same database had to be shared by multiple messaging engines, it was necessary to make some changes to the DDLs generated by the sibDDLGenerator command: remove the CREATE DATABASE statement DDL, and modify the tablespace names.

## sibDDLGenerator enhancements

- Two new parameters, **createdbstmt** and **tablespaceprefix**
  - ['-createdbstmt <true | false >']
  - ['-tablespaceprefix <table space prefix , max 5 characters>']

removes the need for the manual changes to the DDLs generated by sibDDLGenerator command.

- -createdbstmt false - does not create the CREATE DATABASE statement
- -tablespaceprefix SIBTS - creates the tablespaces listed below

SIBTSOWN	SIBTSOTS
SIBTSMAP	SIBTSLST
SIBTS00T	SIBTS00L
SIBTS01T	SIBTS01L
SIBTS02T	SIBTS02L
SIBTSXAT	SIBTSKEY

As part of the enhancements to the sibDDLGenerator, two new parameters are added. These parameters remove the need for changes to the DDLs generated by the sibDDLGenerator command that were mentioned in the last slide.

The parameter “-createdbstmt false” does not create the CREATE DATABASE statement.

The parameter “-tablespaceprefix SIBTS” creates the tablespaces listed here.

## Usage scenario: Multiple messaging engines share the same database

A WebSphere Application Server administrator who wants to configure multiple messaging engines in a single database can use the new parameters to generate the required DDLs for the different messaging engines.

If you want to configure multiple messaging engines in a single database, use the new parameters to generate the required DDLs for the different messaging engines. By specifying a different tablespace prefix, DDLs are generated with different tablespace names, and therefore multiple messaging engines can share the same database.



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