Creating a default sbspace

A default sbspace must exist before you create a **bts** index. The database server sets up internal directories for basic text searching in a default sbspace.

The database server also stores **bts** indexes in the default sbspace unless you explicitly specify another sbspace when you create the index. Be sure the default sbspace is large enough to hold all of these objects. Monitor the size of the default sbspace and increase its size when necessary.

If you do not explicitly create a default sbspace and set the SBSPACENAME configuration parameter in the `onconfig` file before you create a **bts** index, the database server creates a default sbspace automatically before running the CREATE INDEX statement, according to the following criteria in this order:

- If storage provisioning is configured, the default sbspace is created in the designated storage pool.
- If the root dbspace was created in a directory, the default sbspace is created in the same directory and could use the same files system as the root dbspace.
- If the root dbspace is a raw device in the `/dev` directory, the default sbspace is created in the `$INFORMIXDIR/tmp` directory.

The sbspace for **bts** index must have buffering enabled. Buffering is enabled by default when you create an sbspace. You can use various methods to create an sbspace, including the **onspaces** utility, the SQL administration API **task()** function with the **create sbspace** argument, or through storage provisioning, if you have configured a storage pool.

To create the default sbspace:

1. Set the SBSPACENAME configuration parameter in the configuration file to the name of your default sbspace.

   The following example sets the name of the default sbspace to **sbsp1**:
   ```
   SBSPACENAME sbsp1
   ```

2. Restart the database server.
3. Create the sbspace.

   The following example creates an sbspace called **sbsp1** in the file `c:\IFMXDATA\sbspace` by using the **onspaces** utility:
   ```
   onspaces -c -S sbsp1 -p c:\IFMXDATA\sbspace -o 0 -s 100000
   ```

Parent topic:
→ Preparing for basic text searching

Related information:
→ SBSPACENAME configuration parameter
→ onspaces -c -S: Create an sbspace

→ onspaces -c -x: Create an extspace

→ create sbspace argument: Create an sbspace (SQL administration API)

→ create sbspace from storagepool argument: Create an sbspace from the storage pool (SQL administration API)

Examples exchange | Troubleshooting

To find the PDF, see Publications for the IBM Informix 12.10 family of products.

For the release notes, documentation notes, and/or machine notes, see the Release Notes page.