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# Create a new Repository

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In order to create a new repository, You need to follow these steps if you want to create a repository that uses sql database in as the datastore.

1. Create a properties file
2. Create tables you want to map to the repository
3. Create a definition XML files to map repository item-descriptors and their properties to the respective tables.

MyRepository.properties

$class=atg.adapter.gsa.GSARepository

repositoryName=MyRepository

definitionFiles=atg/test/repositories/MyRepository.xml

XMLToolsFactory=/atg/dynamo/service/xml/XMLToolsFactory

transactionManager=/atg/dynamo/transaction/TransactionManager

idGenerator=/atg/dynamo/service/IdGenerator

dataSource=/atg/dynamo/service/jdbc/JTDataSource

lockManager=/atg/dynamo/service/ClientLockManager

The above properties files ensures that a new repository component is created and MyRepository.xml will be marked as its definition file.

The content of the MyRepository.xml file should be something like below...

MyRepository.xml

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<!DOCTYPE gsa-template SYSTEM "http://www.atg.com/dtds/gsa/gsa\_1.0.dtd">

<gsa-template>

<header>

<name>New Repository creation</name>

<author>Jyothi Prasad Buddha</author>

</header>

<item-descriptor name="myRepo" cache-mode="simple">

<table name="my\_repo" type="primary" id-column-names="id">

<!-- properties that may (or may not) be used as primary keys -->

<property name="name" data-types="String" />

<property name="age" data-types="int" />

</table>

</item-descriptor>

</gsa-template>

However you will have to create the the necessary tables before you start atg instance. The above xml files refers to a table named my\_repo which has comlumns name and age.