# APSConfigService

## User Guide

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# ₁ **APSDataSource**

This is a service that provides named data source definitions. It does **not** provided pooled *javax.sql.DataSource* instances!! It only provides definitions with connection url, driver name, user and password. This service can be used by other services that provide DataSource pooling for example. The APSSimpleUserServiceProvider makes use of this service by looking up "APSSimpleUserServiceDS" passing the information on to the APSJPAService in its properties. Not everything can make use of an *javax.sql.DataSource*, but everything can make use of the information provided by this service.

The actual data source definitions are configured in the */apsadminweb* under configuration group "persistence".

## ₁.₁ **APIs**

The complete APS javadoc can be found at http://apidoc.natusoft.se/APS/.

public *interface* **DataSourceDef**    [se.natusoft.osgi.aps.api.data.jdbc.model] {

*This represents information required for setting upp a JDBC data source.*

**String getName()**

*Returns*

*The name of this data source definition. This information is optional and can return null!*

**String getConnectionURL()**

*Returns*

*The JDBC connection URL. Ex: jdbc:provider://host:port/database[;properties].*

**String getConnectionDriveName()**

*Returns*

*The fully qualified class name of the JDBC driver to use.*

**String getConnectionUserName()**

*Returns*

*The name of the database user to login as.*

**String getConnectionPassword()**

*Returns*

    *The password for the database user.*

}

public *interface* **APSDataSourceDefService**    [se.natusoft.osgi.aps.api.data.jdbc.service] {

    *This service provides lookup of configured data source definitions. These can be used to setup connection pools, JPA, ...*

**DataSourceDef lookupByName(String name)**

    *Looks up a data source definition by its configured name.*

*Returns*

    *A DataSourceDef or null if name was not valid.*

*Parameters*

    *name - The name to lookup.*

**List<DataSourceDef> getAllDefinitions()**

*Returns*

    *All available definitions.*

}