

SbbContext Extension

Table of Contents

This extension to JAIN SLEE 1.1 introduces *org.mobicens.slee.SbbContextExt* interface, which extends *javax.slee.SbbContext* with methods to retrieve SLEE factories and facilities, avoiding the usage of JNDI context.

```
package org.mobicens.slee;

import javax.slee.ActivityContextInterface;
import javax.slee.Sbb;
import javax.slee.SbbContext;
import javax.slee.facilities.ActivityContextNamingFacility;
import javax.slee.facilities.AlarmFacility;
import javax.slee.facilities.TimerFacility;
import javax.slee.nullactivity.NullActivityContextInterfaceFactory;
import javax.slee.nullactivity.NullActivityFactory;
import javax.slee.profile.ProfileFacility;
import javax.slee.profile.ProfileTableActivityContextInterfaceFactory;
import javax.slee.resource.ResourceAdaptorTypeID;
import javax.slee.serviceactivity.ServiceActivityContextInterfaceFactory;
import javax.slee.serviceactivity.ServiceActivityFactory;

public interface SbbContextExt extends SbbContext {

    public Object getActivityContextInterfaceFactory(
        ResourceAdaptorTypeID raTypeID) throws NullPointerException,
        IllegalArgumentException;

    public ActivityContextNamingFacility getActivityContextNamingFacility();

    public AlarmFacility getAlarmFacility();

    public NullActivityContextInterfaceFactory
    getNullActivityContextInterfaceFactory();

    public NullActivityFactory getNullActivityFactory();

    public ProfileFacility getProfileFacility();

    public ProfileTableActivityContextInterfaceFactory
    getProfileTableActivityContextInterfaceFactory();

    public Object getResourceAdaptorInterface(ResourceAdaptorTypeID raTypeID,
        String raEntityLink) throws NullPointerException,
        IllegalArgumentException;

    public SbbLocalObjectExt getSbbLocalObject()
        throws TransactionRequiredLocalException, IllegalStateException,
        SLEEException;

    public ServiceActivityContextInterfaceFactory
    getServiceActivityContextInterfaceFactory();
}
```

```
public ServiceActivityFactory getServiceActivityFactory();

public TimerFacility getTimerFacility();
}
```

The `getActivityContextInterfaceFactory(ResourceAdaptorTypeID)` method

Retrieves the ActivityContextInterface factory for the Resource Adaptor Type with the specified ID.

The `getActivityContextNamingFacility()` method

Retrieves the Activity Context Naming Facility.

The `getAlarmFacility()` method

Retrieves the Alarm Facility.

The `getNullActivityContextInterfaceFactory()` method

Retrieves the Null Activity Context Interface Factory.

The `getNullActivityFactory()` method

Retrieves the Null Activity Factor.

The `getProfileFacility()` method

Retrieves the Profile Facility.

The `getProfileTableActivityContextInterfaceFactory()` method

Retrieves the Profile Table Activity Context Interface Factory.

The `getResourceAdaptorInterface(ResourceAdaptorTypeID,String)` method

Retrieves the interface to interact with a specific Resource Adaptor entity, identified by both the entity link name and the Resource Adaptor Type ID.

The `getSbbLocalObject()` method

Exposes the SBB local object with the extension interface to avoid unneeded casts.

The `getServiceActivityContextInterfaceFactory()` method

Retrieves the Service Activity Context Interface Factory.

The `getServiceActivityFactory()` method

Retrieves the Service Activity Factory.

The `getTimerFacility()` method

Retrieves the Timer Facility.