

Oracle Enterprise Repository

System Settings API

Overview

Description

Within the Oracle Enterprise Repository's **System Settings** section administrators can configure the basic operations and enable/disable specific features. The **System Settings API** provides a mechanism to query these system settings.

Note: Users are allowed only to query the system settings for values, the system settings cannot be set or modified through REX.

To query the system settings, the following package import(s) are required:

```
import com.flashline.registry.openapi.entity.SettingValue;  
import com.flashline.registry.openapi.entity.AuthToken;  
import com.flashline.registry.openapi.query.SystemSettingsCriteria;
```

Reserved Methods

The `systemSettingsAddBundle` method is reserved for future use and is not intended for general use.

Use Cases

Use Case: Query for System Settings

Sample Code:

```
package com.flashline.sample.systemsettingsapi;

import java.net.MalformedURLException;
import java.net.URL;
import java.rmi.RemoteException;

import javax.xml.rpc.ServiceException;

import com.flashline.registry.openapi.base.OpenAPIException;
import com.flashline.registry.openapi.entity.AuthToken;
import com.flashline.registry.openapi.entity.SettingValue;
import com.flashline.registry.openapi.query.SystemSettingsCriteria;
import com.flashline.registry.openapi.service.v300.FlashlineRegistry;
import com.flashline.registry.openapi.service.v300.FlashlineRegistryServiceLocator;

public class SystemSettings {
    public static void main(String pArgs[] throws OpenAPIException, RemoteException,
        ServiceException {
        try {

            ///////////////////////////////////////////////////////////////////
            // Connect to Oracle Enterprise Repository
            ///////////////////////////////////////////////////////////////////
            URL IURL = null;
            IURL = new URL(pArgs[0]);
            FlashlineRegistry repository = new FlashlineRegistryServiceLocator().getFlashlineRegistry(IURL);

            ///////////////////////////////////////////////////////////////////
            // Authenticate with OER
            ///////////////////////////////////////////////////////////////////
            AuthToken authToken = repository.authTokenCreate(pArgs[1],pArgs[2]);

            ///////////////////////////////////////////////////////////////////
            // Set Application Token on AuthToken object. This is supplied by OER
            //authToken.setApplicationToken("TokenString");

            ///////////////////////////////////////////////////////////////////
            //Read all available system settings
            //Create an empty Criteria object. No criteria will return all settings.
            SystemSettingsCriteria ICriteria = new SystemSettingsCriteria();
            ICriteria.setNameCriteria("enterprise.defaults.displayname.field");
            SettingValue[] IValues = repository.systemSettingsQuery(authToken, ICriteria);

            for (int i=0;i<IValues.length;i++) {
                SettingValue IValue = IValues[i];

                System.out.println("Setting Name: " + IValue.getDescriptor().getName());
            }
        }
    }
}
```

```

    System.out.println("Setting Value: " + IValue.getValue());
}

// //////////////////////////////////////
//Read a specific setting
ICriteria.setNameCriteria("cmee.server.companyname");
IValues = repository.systemSettingsQuery(authToken, ICriteria);

for (int i=0;i<IValues.length;i++) {
    SettingValue IValue = IValues[i];

    System.out.println("Setting Name: " + IValue.getDescriptor().getName());
    System.out.println("Setting Value: " + IValue.getValue());
}

// //////////////////////////////////////
//Read a specific section
ICriteria.setSectionCriteria("general");
IValues = repository.systemSettingsQuery(authToken, ICriteria);

for (int i=0;i<IValues.length;i++) {
    SettingValue IValue = IValues[i];

    System.out.println("Setting Name: " + IValue.getDescriptor().getName());
    System.out.println("Setting Value: " + IValue.getValue());
}

} catch (OpenAPIException IEx) {
    System.out.println("ServerCode = " + IEx.getServerErrorCode());
    System.out.println("Message = " + IEx.getMessage());
    System.out.println("StackTrace:");
    IEx.printStackTrace();
} catch (RemoteException IEx) {
    IEx.printStackTrace();
} catch (ServiceException IEx) {
    IEx.printStackTrace();
} catch (MalformedURLException IEx) {
    IEx.printStackTrace();
}
}
}
}

```