Oracle® Communications

Diameter Signaling Router SCEF Partner User Guide

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Oracle Communications Diameter Signaling Router SCEF Partner User Guide, Release 8.6.0

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1 Introduction

Purpose

Diameter Signaling Router (DSR) Service Capability Exposure Function (SCEF) Partner User guide describes the actions that can be performed by the Partners on the SCEF portal. It describes how to create an account to access the portal, create an application in order to use SCEF T8 APIs.

Partners can subscribe APIs specific to their applications when they create them or later. Partner managers supply the SCEF T8 APIs for partner applications.

Life Cycle of an Application

An application goes through the following stages:

1. A partner creates an application and submits it in Partner Portal. The application state is set to ***CREATE PENDING APPROVAL***.
2. An Operator/Administrator will review the application and perform one of the following:
   - Approve the application: The application state is set to ACTIVE. The partner sees the approval on the Messages page of the Partner Portal.
   - Reject the application: The application is returned to the partner. The partner sees the rejection on the Messages page of the Partner Portal.
3. When the application is active, the application is updated in the following way:
   - The partner edits the application and submits it in Partner Portal. The application state is set to ***UPDATE PENDING APPROVAL***.
4. An Operator/Administrator will approve or reject the updates made by the partner to the application.
5. When a partner decides to delete an application, the partner submits a request in Partner Portal. An Operator/Administrator will review the application and do one of the following:
   - Approve the deletion: The application is deleted from Partner Portal.
   - Reject the deletion: The application continues to display in an active state in Partner Portal.

Acronyms

Table 1-1 Acronyms

Term	Definition
API	Application Programming Interface
DSR	Diameter Signaling Router
APIGW	Application Programming Interface gateway

Table 1-1 (Cont.) Acronyms

Term	Definition
GUI	Graphical User Interface
OCSG	Oracle Communications Services Gatekeeper
SCEF	Service Capability Exposure Function

Reference

1. Service Capability Exposure Function (SCEF) YAML Files: Refer to Locate Product Documentation on the Oracle Help Center Site on how to download the file.

How to use this document

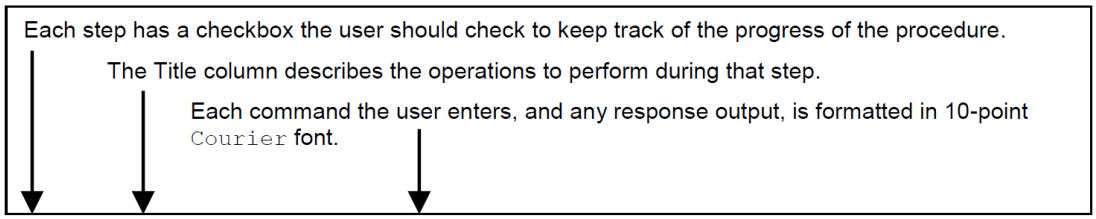
Although this document is primarily to be used as an initial installation guide, its secondary purpose is to be used as a reference for Disaster Recovery procedures.

When executing this document for either purpose, there are a few points which help to ensure that the user understands the author's intent. These points are as follows:

1. Before beginning a procedure, completely read the instructional text (it will appear immediately after the Section heading for each procedure) and all associated procedural WARNINGS or NOTES.
2. Before execution of a STEP within a procedure, completely read the left and right columns including any STEP specific WARNINGS or NOTES.

If a procedural STEP fails to execute successfully, STOP and contact Oracle's Customer Service for assistance before attempting to continue. My Oracle Support for information on contacting Oracle Customer Support.

Figure 1-1 Example of a Procedure Steps Used in This Document



	Title	Directive/Result Step
1. ☐	Change directory	Change to the backout directory. `$ cd /var/TKLC/backout`
2. ☐	**ServerX**: Connect to the console of the server	Establish a connection to the server using cu on the terminal server/console. `$ cu -l /dev/ttyS7`
3. ☐	Verify Network Element data	View the Network Elements configuration data; verify the data; save and print report. 3. Select **Configuration > Network Elements** to view Network Elements Configuration screen.

Documentation Admonishments

Admonishments are icons and text throughout this manual that alert the reader to assure personal safety, to minimize possible service interruptions, and to warn of the potential for equipment damage.

Table 1-2 Admonishments

Icon	Description
	Danger: (This icon and text indicate the possibility of personal injury.)
	Warning: (This icon and text indicate the possibility of equipment damage.)
	Caution: (This icon and text indicate the possibility of service interruption.)

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center site, http://docs.oracle.com. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at http://www.adobe.com.

1. Access the Oracle Help Center site at http://docs.oracle.com.
2. Click **Industries**.
3. Under the Oracle Communications subheading, click **Oracle Communications documentation** link.

   The Communications Documentation page displays.
4. Click on your product and then the release number.

   A list of the documentation set for the selected product and release displays.
5. To download a file to your location, right-click the **PDF** link, select **Save target as** (or similar command based on your browser), and save to a local folder.

Customer Training

Oracle University offers training for service providers and enterprises. Visit our web site to view, and register for, Oracle Communications training at http://education.oracle.com/communication.

To obtain contact phone numbers for countries or regions, visit the Oracle University Education web site at www.oracle.com/education/contacts.

My Oracle Support

My Oracle Support (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support can assist you with My Oracle Support registration.

Call the Customer Access Support main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select **2** for New Service Request.
2. Select **3** for Hardware, Networking and Solaris Operating System Support.
3. Select one of the following options:
   - For Technical issues such as creating a new Service Request (SR), select **1**.
   - For Non-technical issues such as registration or assistance with My Oracle Support, select **2**.

You are connected to a live agent who can assist you with My Oracle Support registration and opening a support ticket.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or by calling the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

2

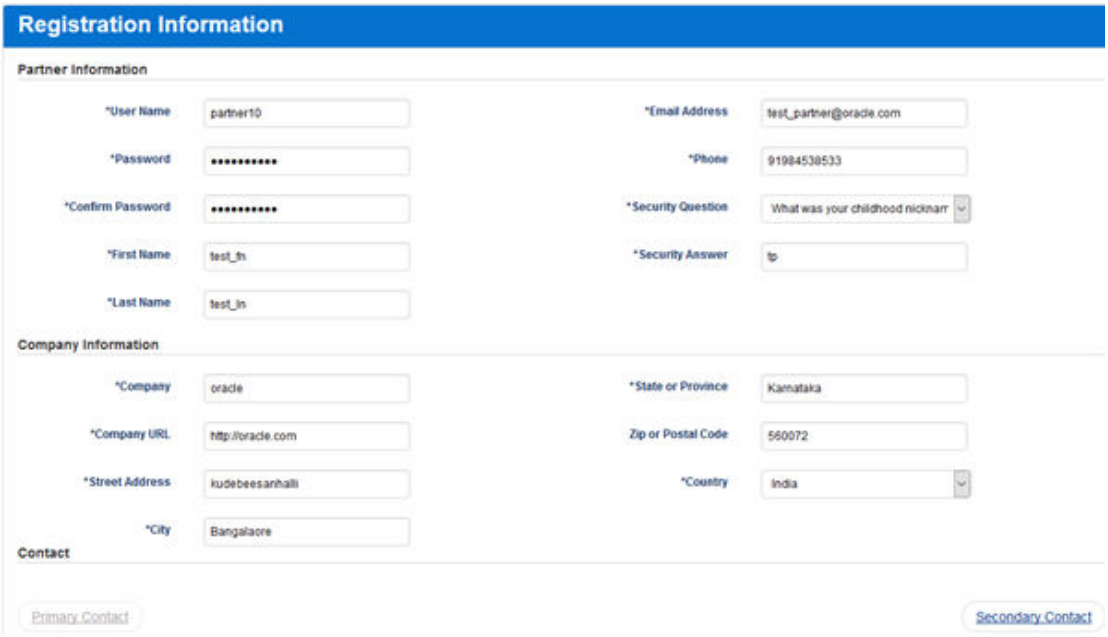
Partner Portal Usage

This section describes how to provision the Oracle Communications Services Gatekeeper (OCSG).

Partner Self Registration

1. Access the SCEF Partner Portal at https://<AppServerx-XMI-IP>:9002/portal/partner/index/partnerLogin.html.
2. Register the account by clicking **Create new Account**.
3. Provide required details. Fields are self explanatory.
4. Mark the **Agreement** checkbox and click **Register**.
5. An account creation request will be sent to Operator/Administrator.
6. Partner account will be activated after Operator/Administrator approves the request.

Figure 2-1 Partner Self Registration



Create a Partner Application

To utilized T8 APIs exposed by the SCEF, a partner application should be created by the partner. This can be done using the SCEF Partner Portal.

Create a Partner Application Using the SCEF Partner Portal

1. Access the SCEF Partner Portal at https://<AppServerx-XMI-IP>:9002/portal/partner/index/partnerLogin.html.
2. Log into the portal using the partner account.
3. Click on the **Applications** tab.
4. Click **Add**.
5. Provide required details and subscribe to the required T8 APIs.
6. Click **Save**.

Figure 2-2 Create Partner Application

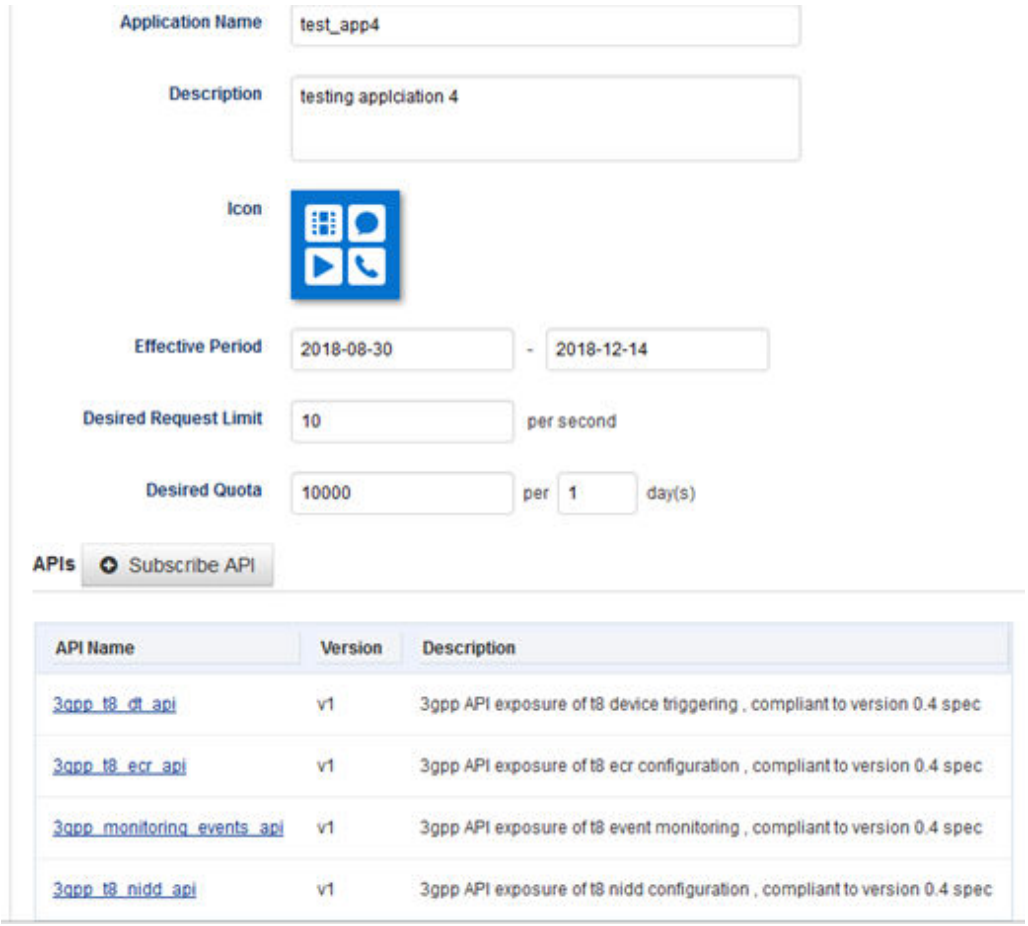


Table 2-1 Create Partner Application

Parameter	Description
Application Name	Provide the application name. **Note**: Name should not have spaces.
Description	Provide a brief description of the application.

Table 2-1 (Cont.) Create Partner Application

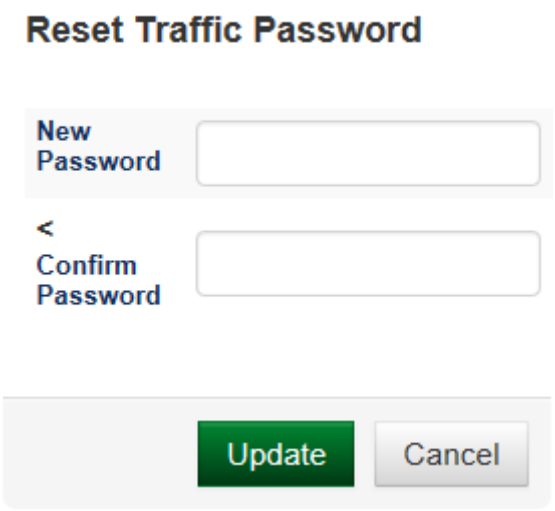
Parameter	Description
Icon	Choose the Icon from the list.
Effective Period	Provide from and to date for which the application will be Active in SCEF.
Desired Request Limit	Provide the desired request limit per second. **Note**: Operator/Administrator have rights to change the request limit.
Desired Quota	Provide the Quota required for the number of days. **Note**: Operator/Administrator have rights to change the request quota.
Subscriber API	Choose the T8 APIs required by the application.

Set Application Password

Initial Username and password for partner application will be auto generated by the SCEF which should be reset by the partner. The username for the application displayed on the application details page cannot be changed by the Partner. The username and password should be sent in the T8 API request to the SCEF. SCEF will authenticate the username and password, and process the request.

1. Access the SCEF Partner Portal at https://<AppServerx-XMI-IP>:9002/portal/partner/index/partnerLogin.html.
2. Log into the portal using the partner account.
3. Click on the **Applications** tab.
4. Select the application.
5. Click on the key symbol next to the **Traffic User property**.
6. Set the traffic password and click **Update**.

Figure 2-3 Set Application Password



Edit a Partner Application

A partner application should be edited by the partner. This can be done using the SCEF Partner Portal.

Create a Partner Application Using the SCEF Partner Portal

1. Access the SCEF Partner Portal at https://<AppServerx-XMI-IP>:9002/portal/partner/index/partnerLogin.html.
2. Log into the portal using the partner account.
3. Click on the **Applications** tab.
4. Click on the application for which you want to perform the changes.
5. Click on the **Edit** tab.
6. Provide required details and subscribe to the required T8 APIs.
7. Click **Save**.

Figure 2-4 Edit Partner Application

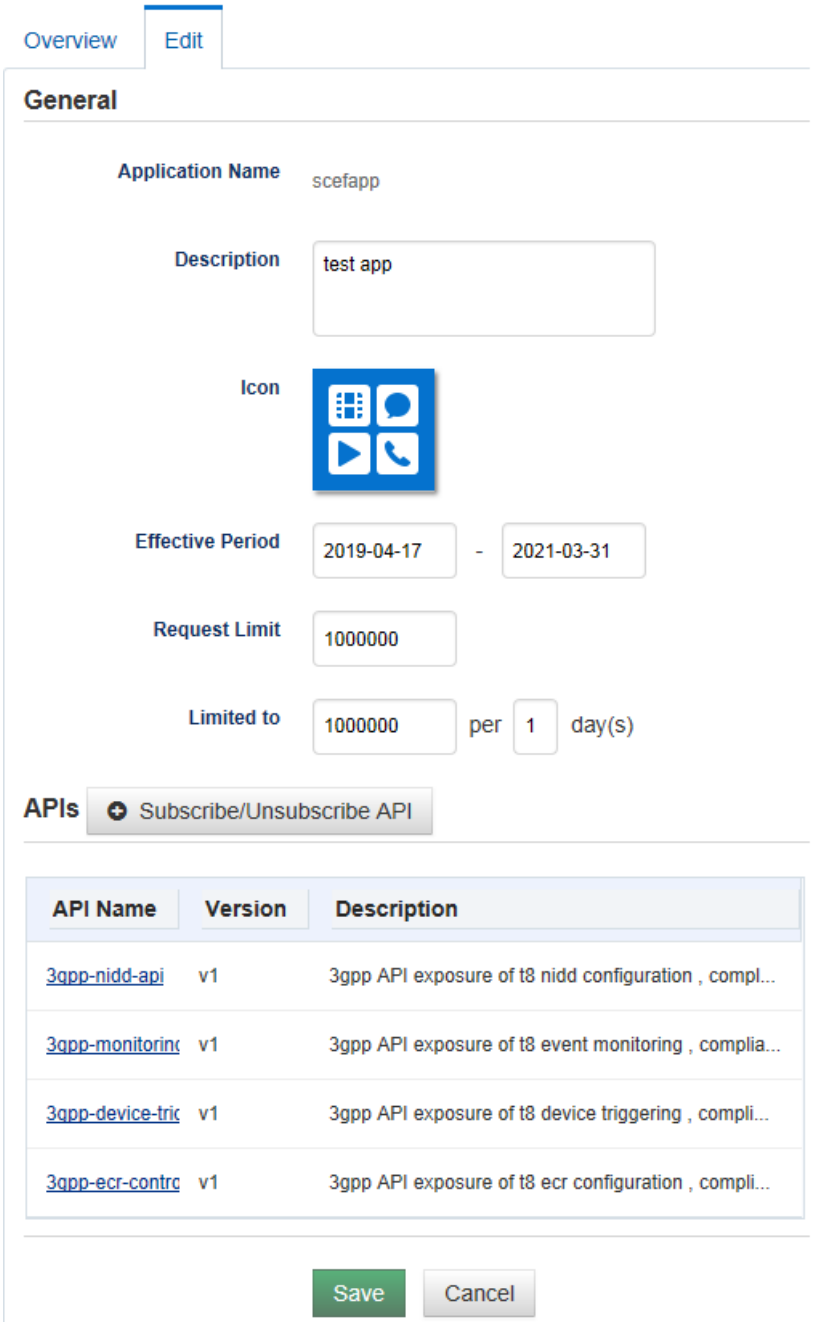


Table 2-2 Edit Partner Application

Parameter	Description
Application Name	Displays the application name for which you want to perform changes.
Description	Provide a brief description of the application.
Icon	Choose the Icon from the list.

Table 2-2 (Cont.) Edit Partner Application

Parameter	Description
Effective Period	Provide from and to date for which the application will be Active in SCEF.
Desired Request Limit	Provide the desired request limit per second. **Note**: Operator/Administrator have rights to change the request limit.
Desired Quota	Provide the Quota required for the number of days. **Note**: Operator/Administrator have rights to change the request quota.
Subscriber API	Choose the T8 APIs required by the application.

Delete a Partner Application

1. Access the SCEF Partner Portal at https://<AppServerx-XMI-IP>:9002/portal/partner/index/partnerLogin.html.
2. Log into the portal using the partner account.
3. Click on the **Applications** tab.
4. Select the Application which you want to delete and click on **Delete**.
5. Click on **OK** on the Confirmation window.
6. After the Operator/Administrator approves the request, the application is deactivated and deleted from the SCEF.

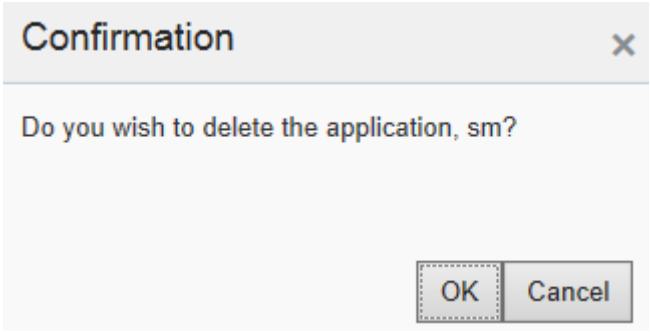



Figure 2-5 Delete Partner Application