**SUPPORT CONNECT KNOWLEDGE SERIES**
Augment Your Problem-solving Capability
**MARCH | EDITION 118**

Welcome to the Finacle Global Support fortnightly knowledge bulletin! We're here to offer solutions for common challenges, share valuable tips, provide knowledge bytes, and keep you updated. Each edition is meticulously curated to ensure we share best practices and known resolutions. In this issue, you'll find the following articles:

- **COMT Parameter Options for Online Transaction Sequence**
- **Token-Based Authentication in Finacle Integrator**

So, let's start reading!

## COMT Parameter Options for Online Transaction Sequence
*Product: Finacle Core | Version: 11.9 onwards*

In continuation to the previous article related to **COMT** parameter options for System Transaction sequence , we can look at similar options for Online Transaction sequence in this article. Online transaction sequence is used for transactions created by Users through menus like **MCITTD** which are different from System transaction sequence.  The Online transaction sequence is not cyclic and is dropped and recreated everyday as part of **EODBOD**. For arriving at the Prefix for Online transaction Sequence, we have the below Options as part of **COMT** setup :

- **USE_DCALIAS_FOR_ONLINE_TRAN ->** If this parameter is set as **Y**, then the Prefix would be **DC_ALIAS** as available in **MBLD** menu for the Bank ID + running sequence Number.
- **ALIAS_FOR_ONLINE_TRAN** -> If this parameter is set with some prefix, then the prefix would be prefix set in the **COMT** parameter   **ALIAS_FOR_ONLINE_TRAN** + running sequence Number.
  * **USE_DCALIAS_FOR_ONLINE_TRAN** takes preference over **ALIAS_FOR_ONLINE_TRAN**

If the above **COMT** parameters are not set, then **M** would be the default prefix for Online Transaction Sequence.

Additionally, the **COMT** parameter **ADD_ZERO_PREFIX_TRAN_ID** is applicable for Online Transaction sequence as well. When this **COMT** parameter is set as **Y**, the transaction IDs generated by the system will be of uniform length of **9** characters with Zero Padding on the left side against the Sequence number generated by the system.

## Token-Based Authentication in Finacle Integrator
*Product: Finacle Integrator | Version: 10.2.17 onwards*

Finacle Integrator supports token-based authentication for client application validation as an enhanced security feature. This mechanism ensures secure API communication by requiring a valid access token for authenticated requests. The client application should obtain an authentication token from the Finacle Authentication Endpoint through the **GetAccessToken** API and the same should be passed as input in the message header for the authenticated channel.

**Request Sample**:

```
<GetAccessTokenRequest>

 <GetAccessToken>
```

&lt;*ClientID*&gt;LU6PKhuTs-qvoV6pdk3SDSkfiFi1&lt;/*ClientID*&gt;

&lt;*ClientSecret*&gt;mJTzp__5En3wRFnePD3G82ahBLY1&lt;/*ClientSecret*&gt;

&lt;/GetAccessToken&gt;

&lt;/GetAccessTokenRequest&gt;

The **AccessToken** received should be passed as input in the message header for the authenticated channel as below:

&lt;ServiceRequestId&gt;SBAcctInq&lt;/ServiceRequestId&gt;

&lt;ServiceRequestVersion&gt;10.2&lt;/ServiceRequestVersion&gt;

&lt;ChannelId&gt;ESB&lt;/ChannelId&gt;

&lt;LanguageId&gt;&lt;/LanguageId&gt;

&lt;*AccessToken*&gt;7a7e5f84da99219c15354e61258f5d12&lt;/*AccessToken*&gt;

&lt;/MessageKey&gt;

**Configuration**:

- Authentication Type should be configured as **TOKEN** for the Channel ID in Interface Node Setup i.e. **HIINM/ SOLDEFN** (FIP Administrator) or in **FIMASTER.INTERFACE_NODE** table
- The **Client ID** and **Client Secret** must be registered using the **ClientRegistration.jar** utility (In 11.x **SOLDEFN** can be used) , which accepts the Channel ID as input
- After registration, each **GetAccessToken** request will store the token in **FIMASTER.CLIENT_ACCESS_TOKEN** with a configurable expiry time (**FIMASTER.FI_CONFIG_DATA -> EXPIRY_TIME)**

Based on the above configuration, validation for each request will be made for the channel ID, token, and expiry time.

**Token Revocation:**

The **RevokeAccessToken** API is available to invalidate tokens once processed.

Required inputs: **ClientID**, **ClientSecret**, and **AccessToken**

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- **Customer Access and Login:** https://support.finacle.com
- **Finacle Knowledge Center:** https://docs.finacle.com/en/signin

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