**Create Service using SEGW and SICF with CRUD Operations**

*CRUD( Create, Edit, Delete, Update)*

Contents

[1. Create Service in SEGW 2](#_Toc472349176)

[2. Create DATA Model (Import DDIC or Manual) 3](#_Toc472349177)

[3. Redefine Methods of Created Model to suit desired Behavior 8](#_Toc472349178)

[4. Testing 10](#_Toc472349179)

[4.4. Get Set Item (All entries) TODO: Show use of the ff: $select, $top, $filter, $paginate, etc 12](#_Toc472349180)

[4.5. Get Individual (Read) 13](#_Toc472349181)

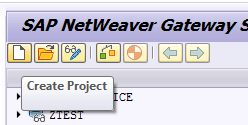
[4.6. Create Entry (Create) 14](#_Toc472349182)

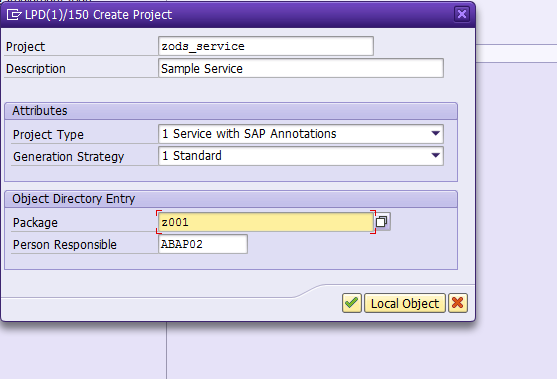
[4.7. Delete 16](#_Toc472349183)

[4.8. Update 17](#_Toc472349184)

[5. TODO Items 18](#_Toc472349185)

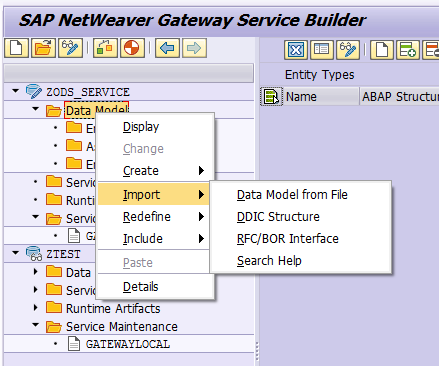
1. Create Service in SEGW

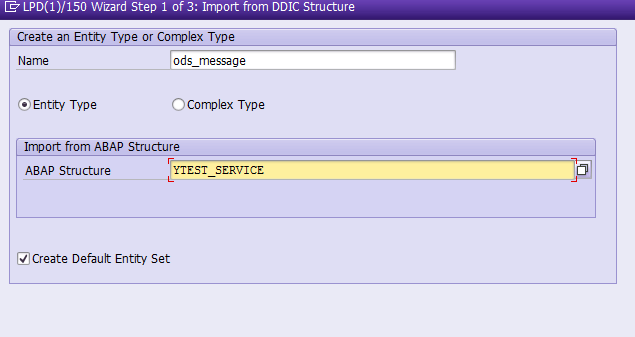


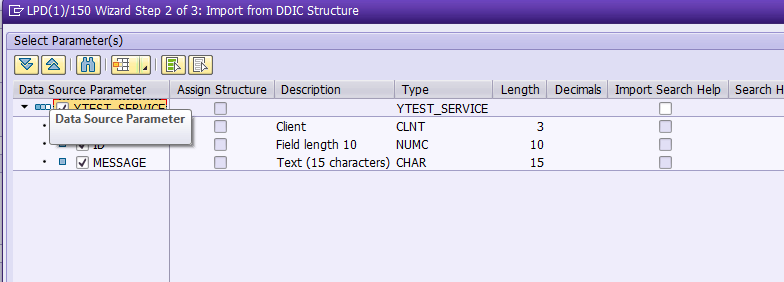


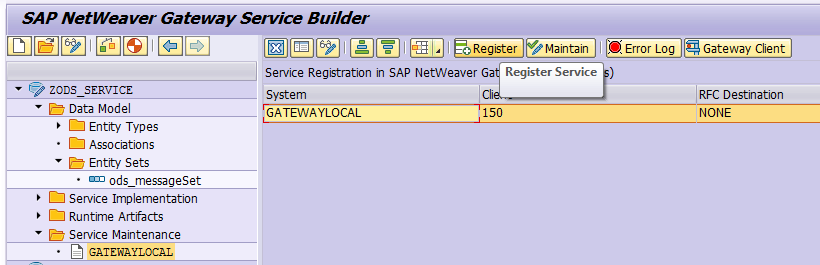
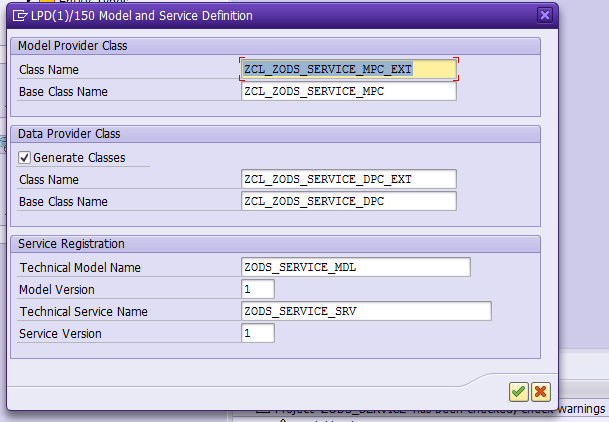
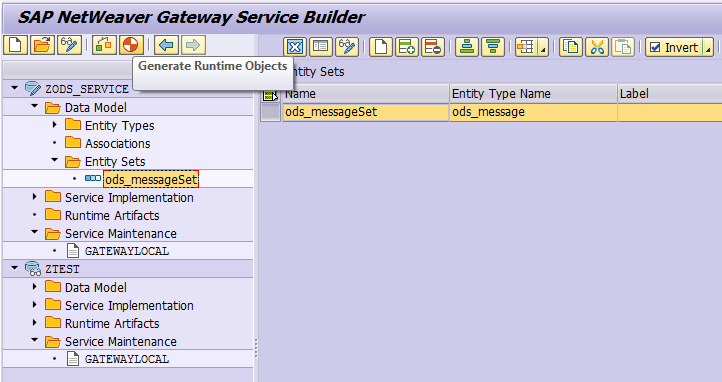
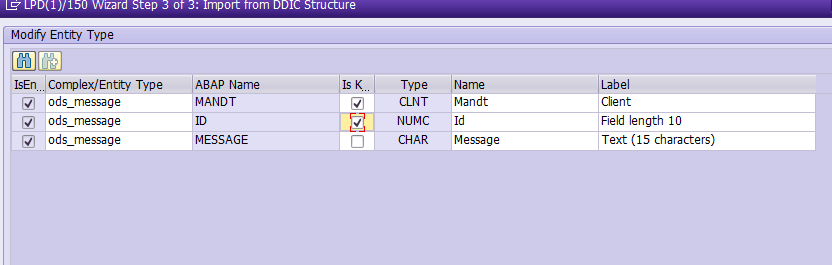
1. Create DATA Model (Import DDIC or Manual)

* Entity
* Entity Properties
* Entity Sets

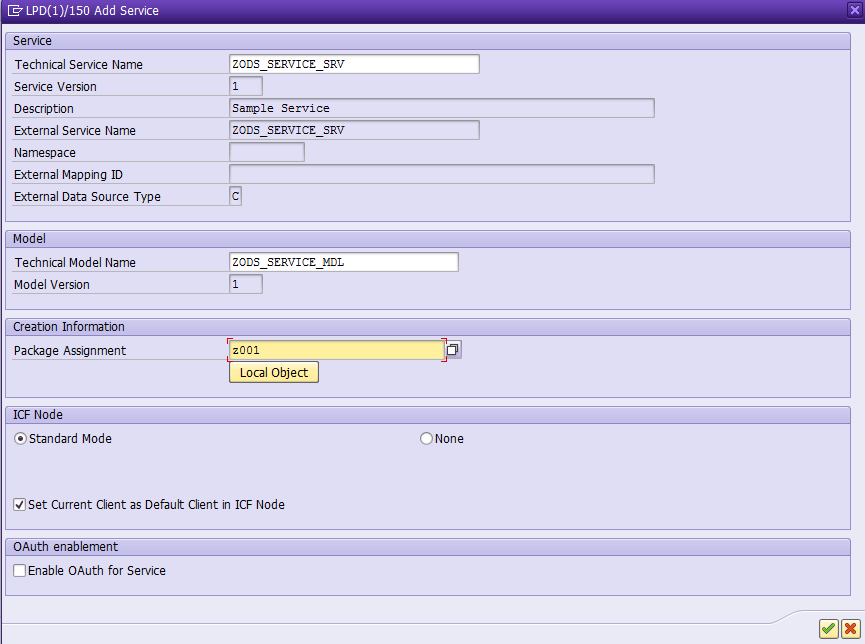
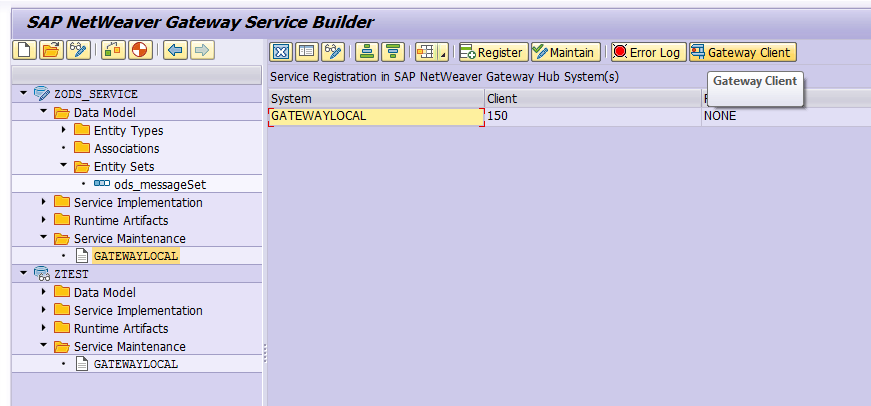


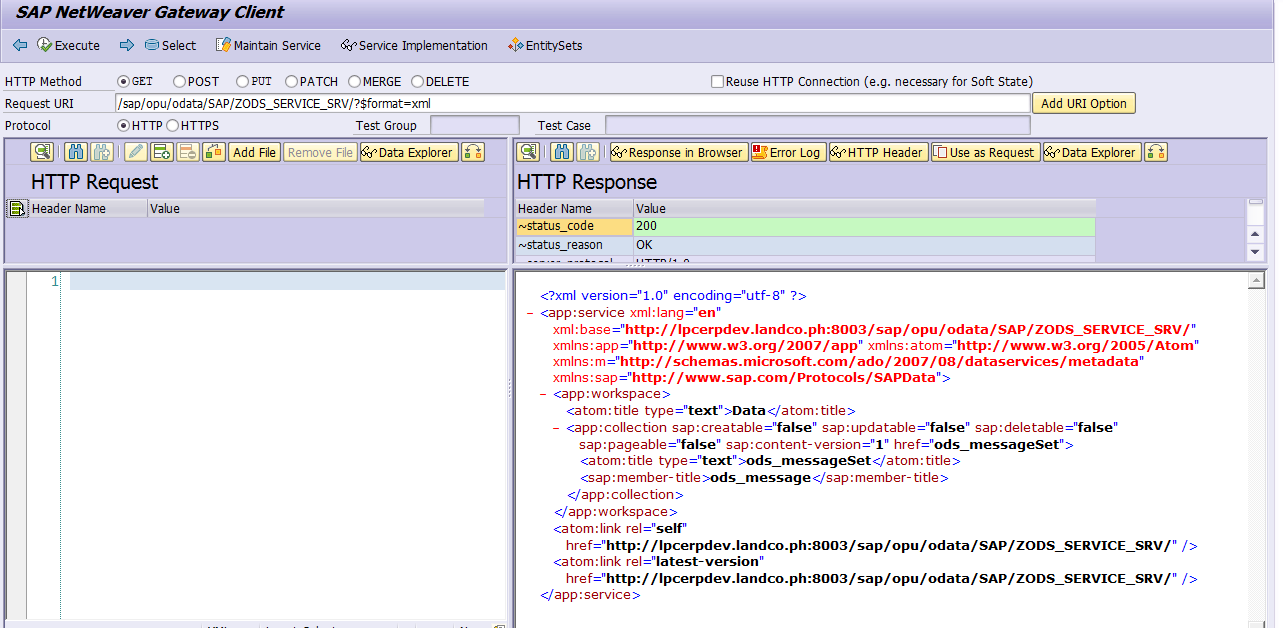


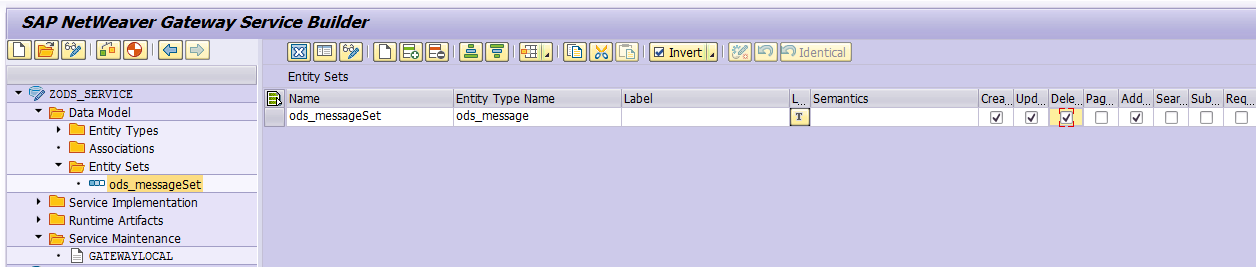


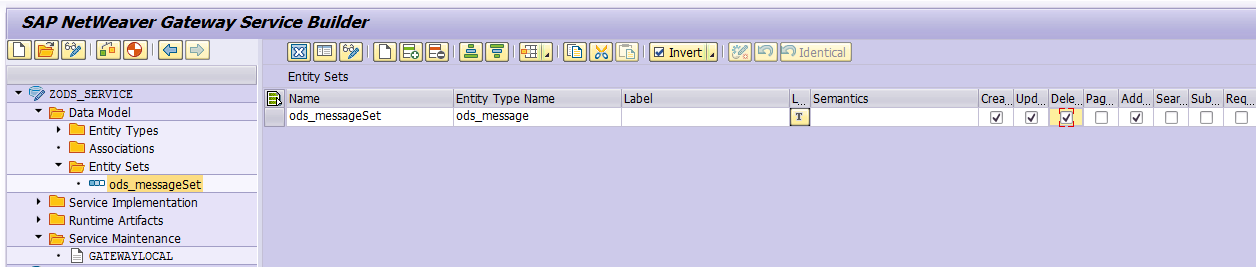


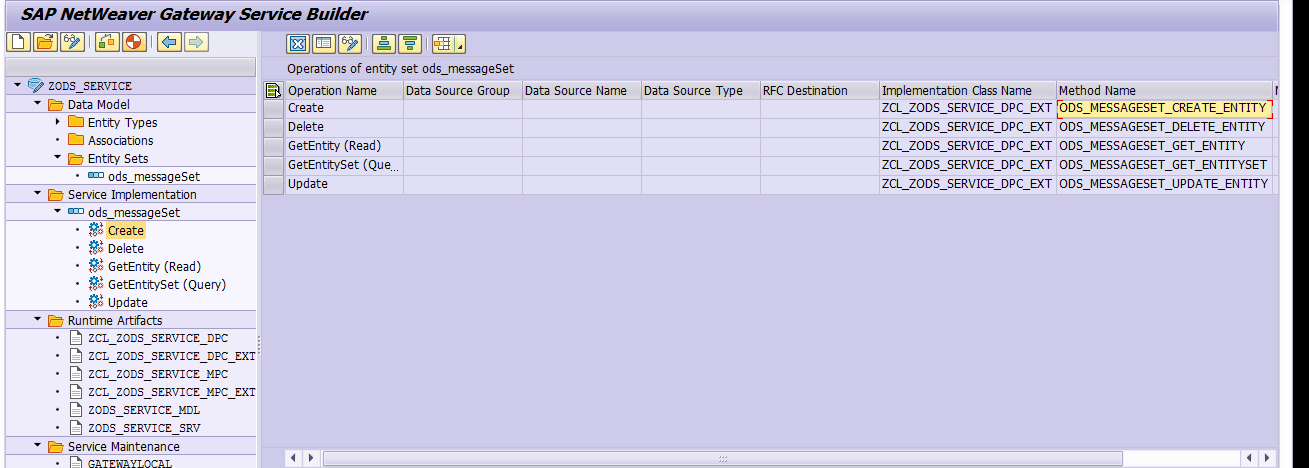
TODO: Show How to Configure SAP Gateway (GATEWAYLOCAL)  
https://blogs.sap.com/2013/05/14/quick-starter-configuration-guide-sap-gateway/



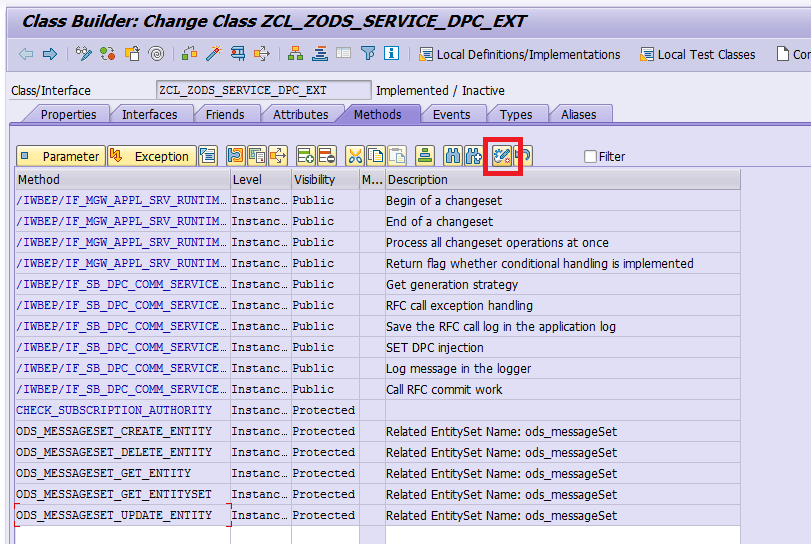
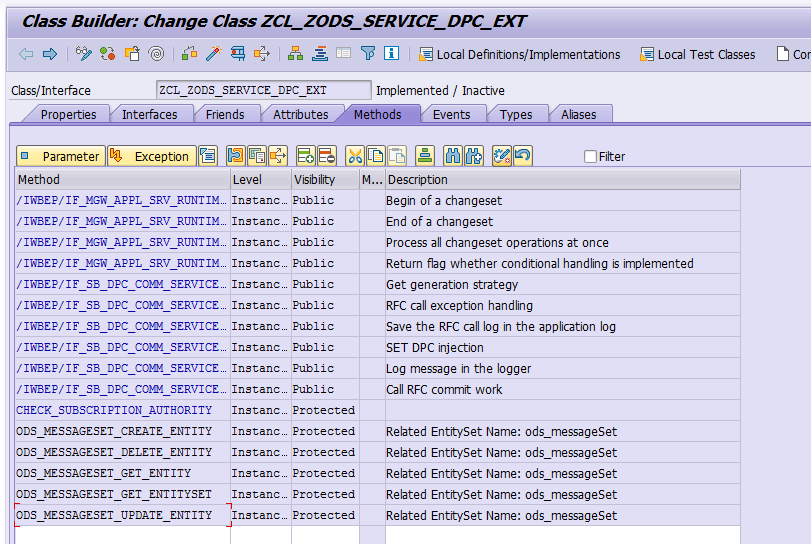


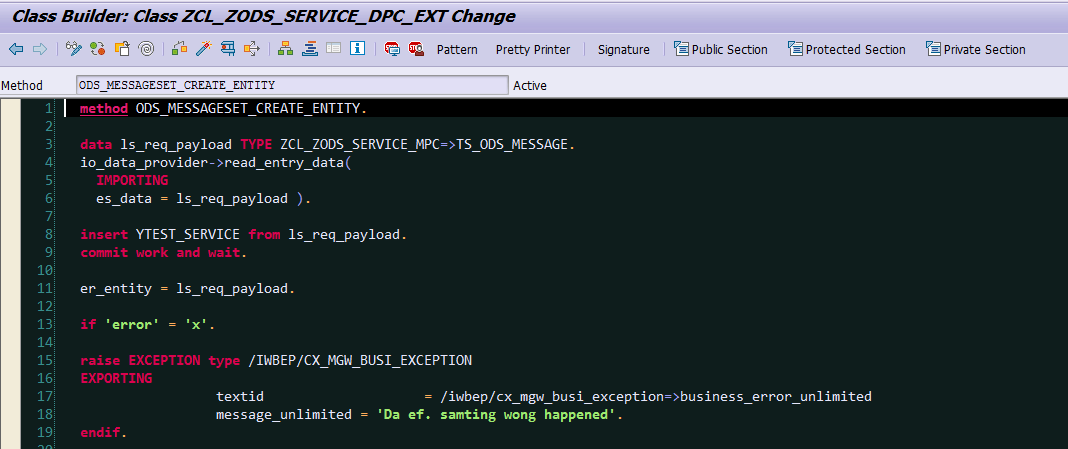


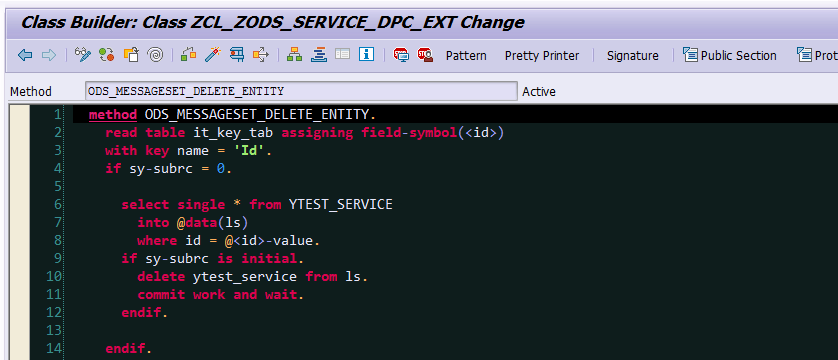


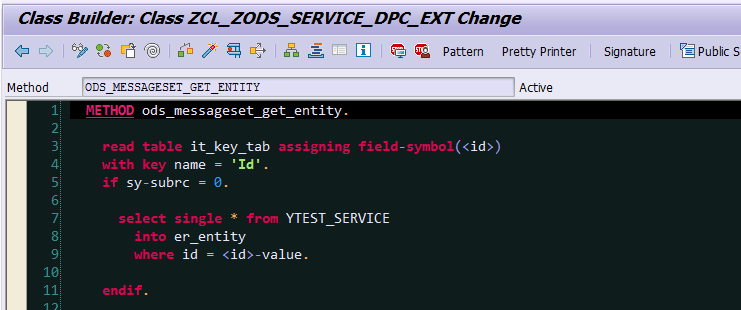


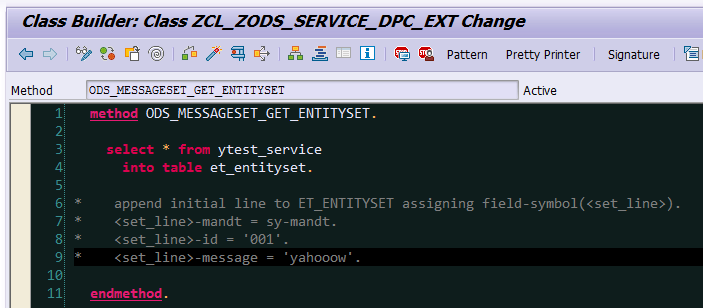
1. Redefine Methods of Created Model to suit desired Behavior





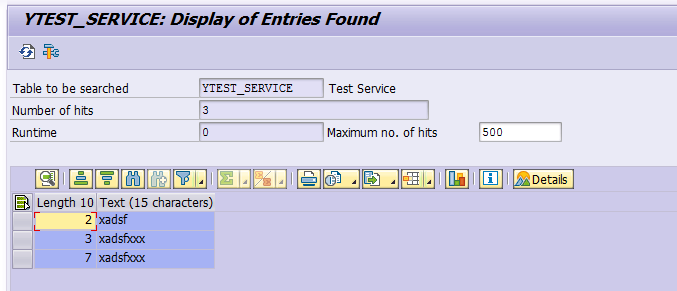


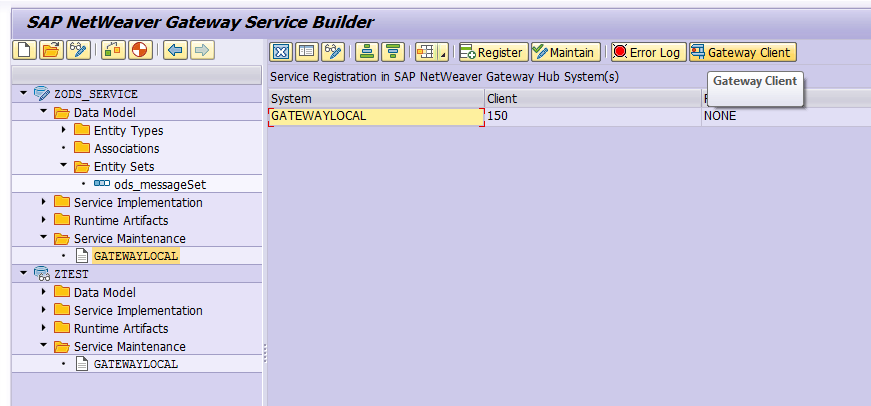




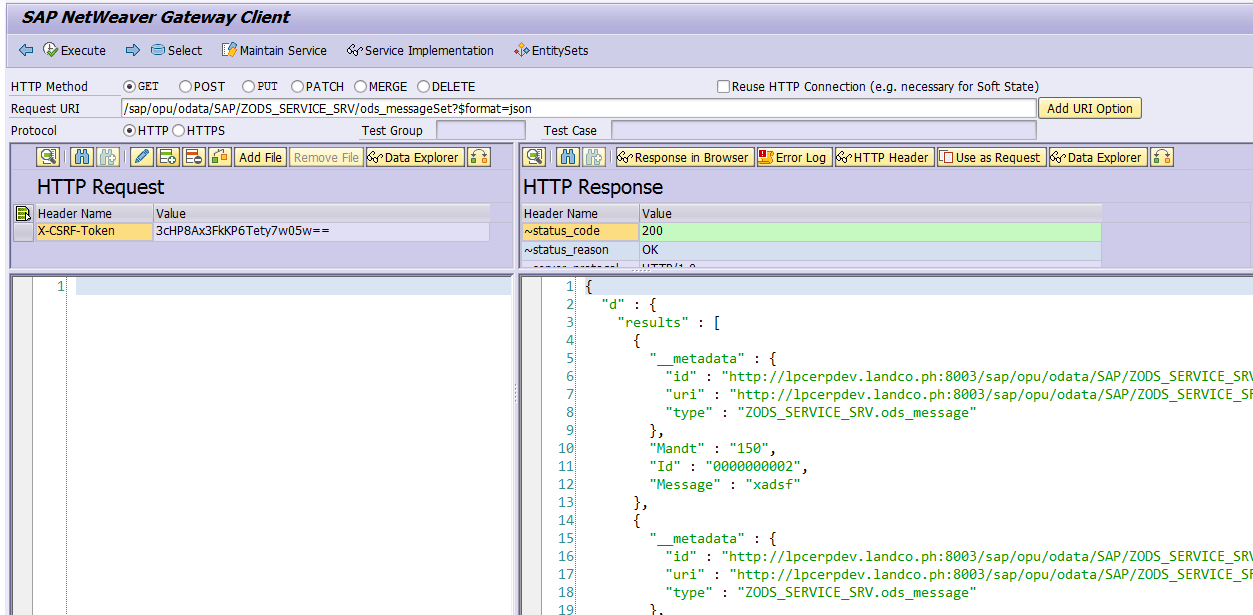
1. Testing

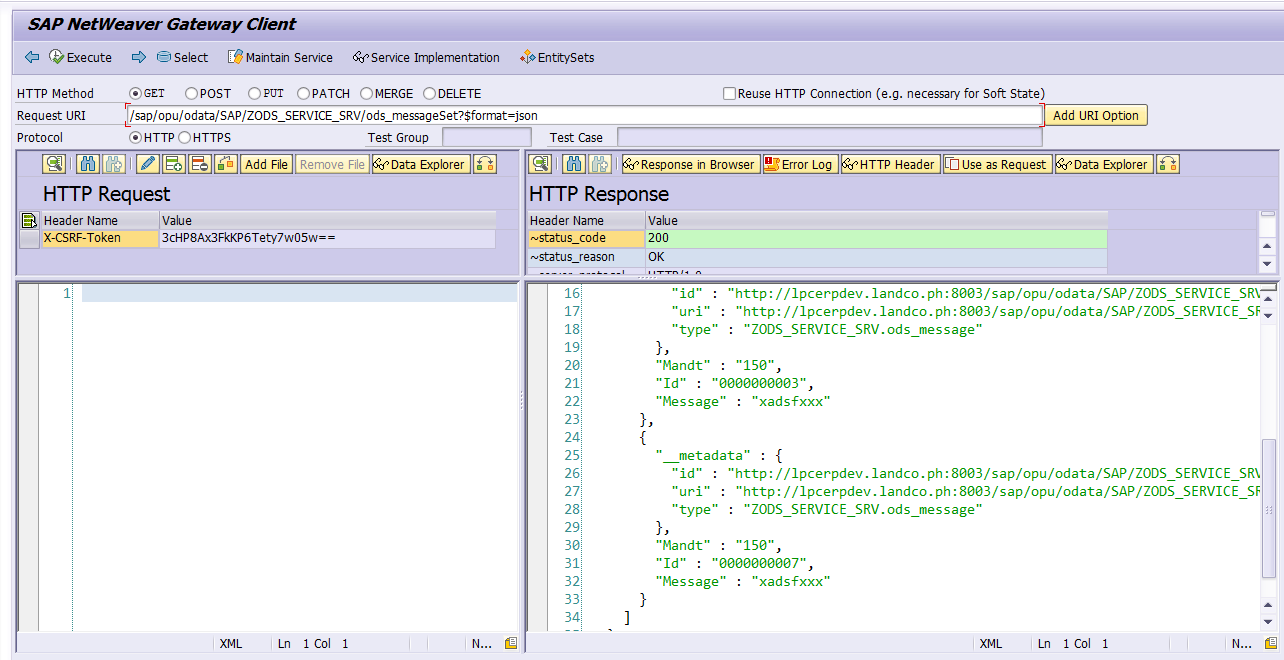
SE16N – Data to be used for sampling/testing



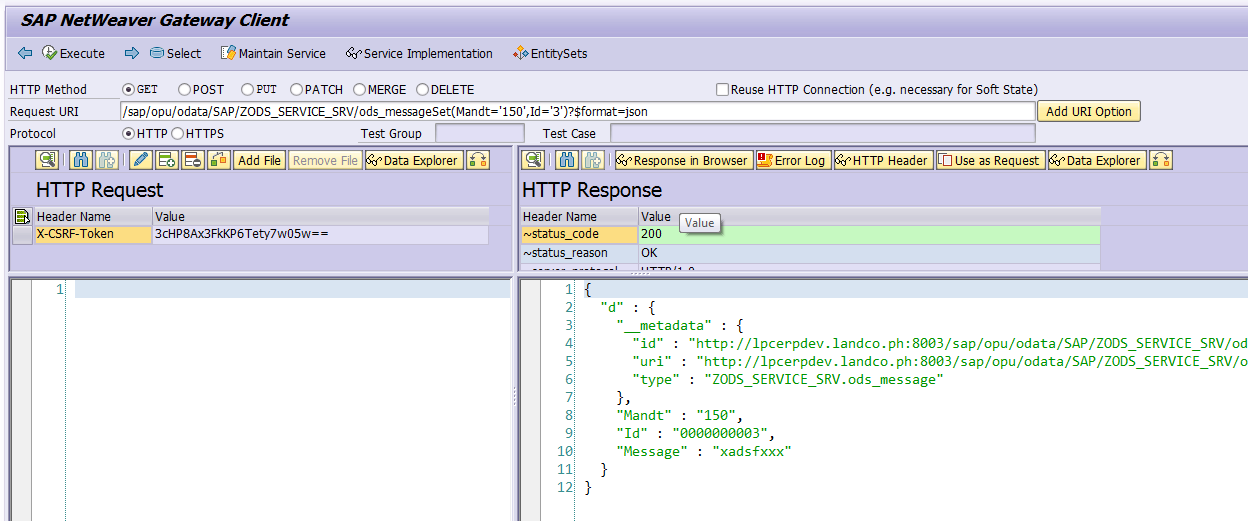


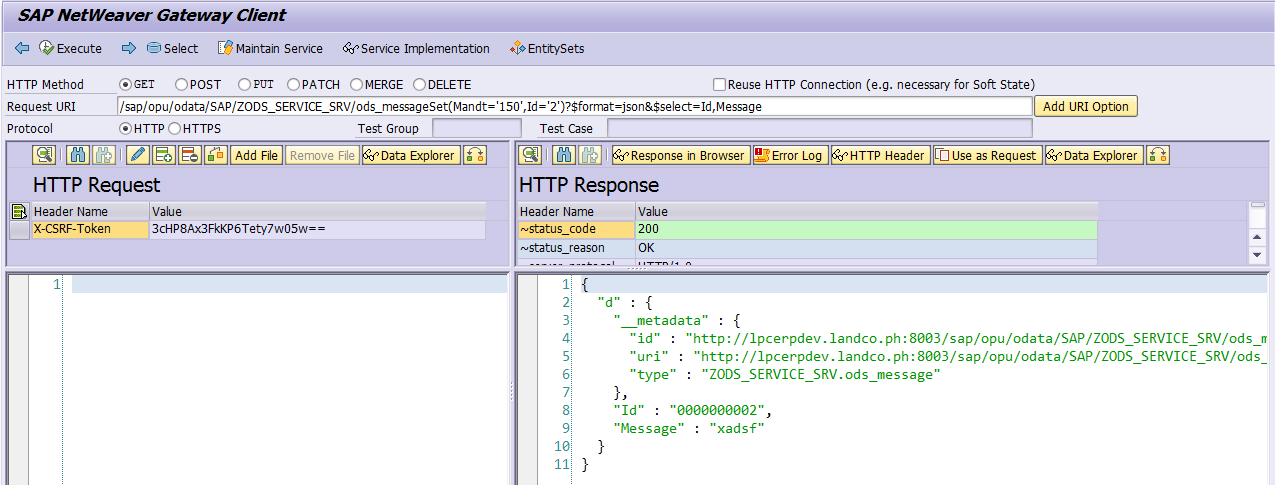
* 1. Get Set Item (All entries)  
     TODO: Show use of the ff:  
     $select, $top, $filter, $paginate, etc



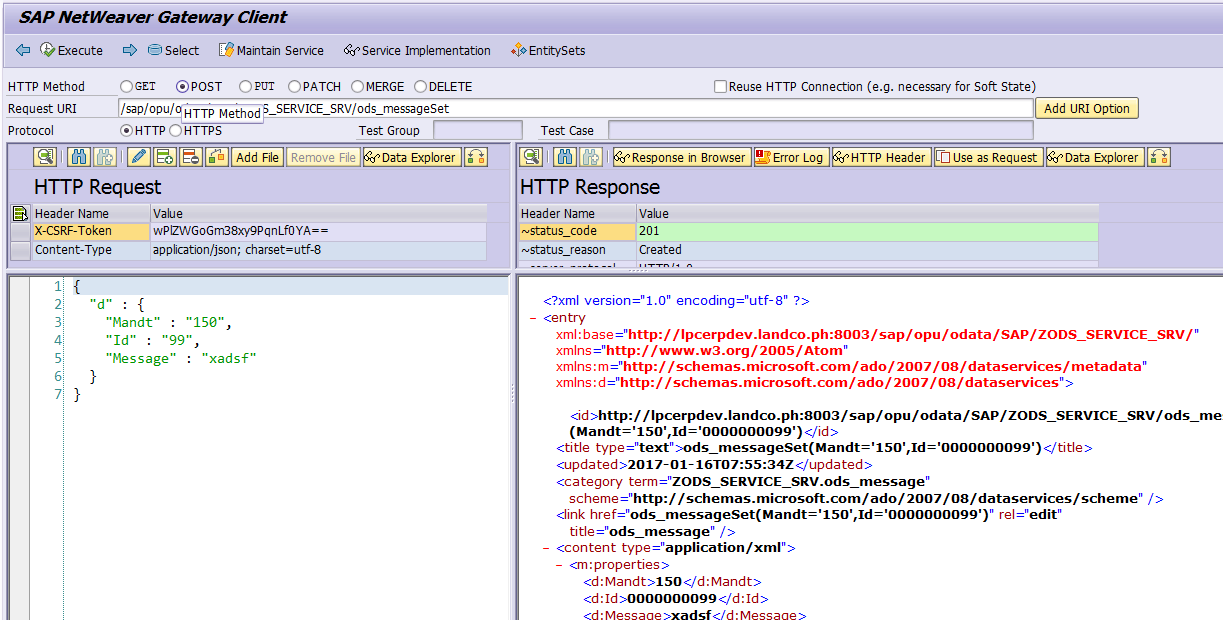
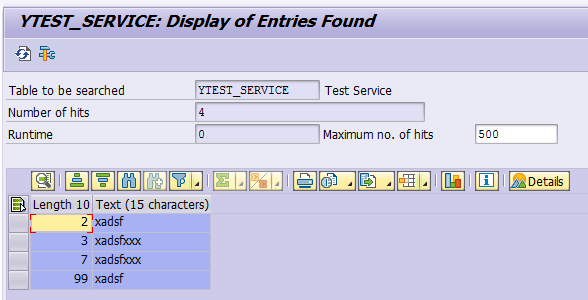
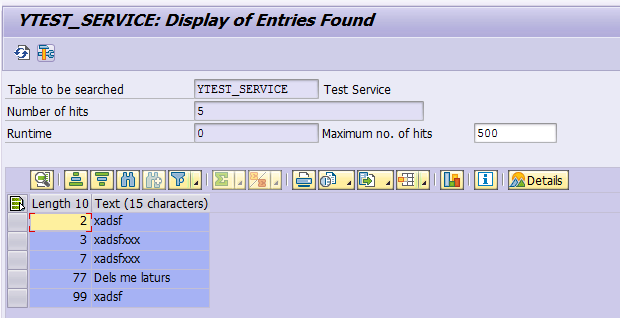
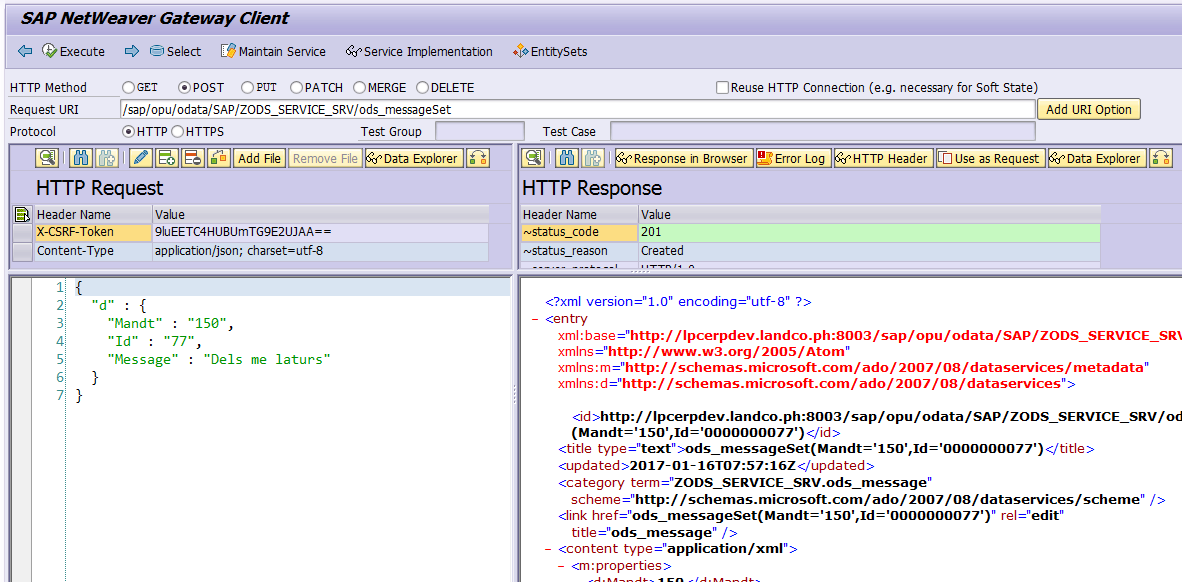


* 1. Get Individual (Read)

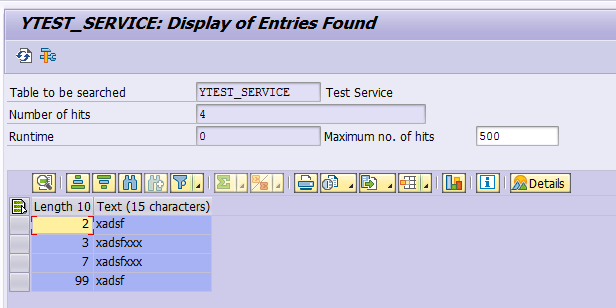
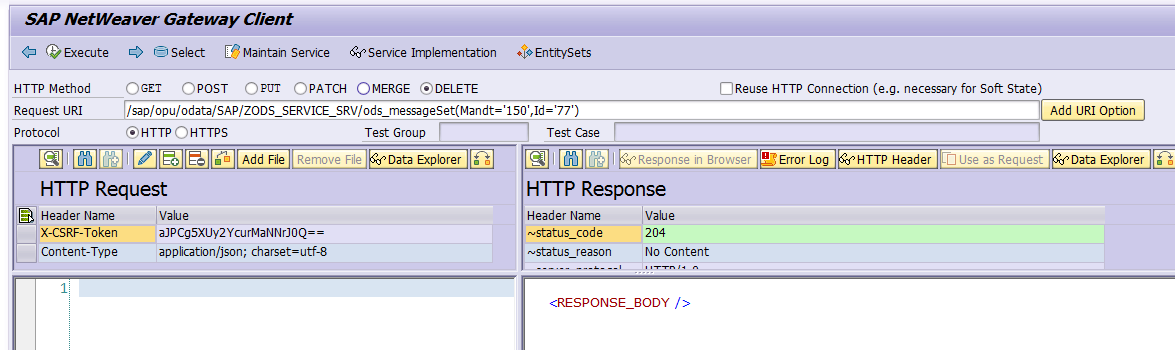




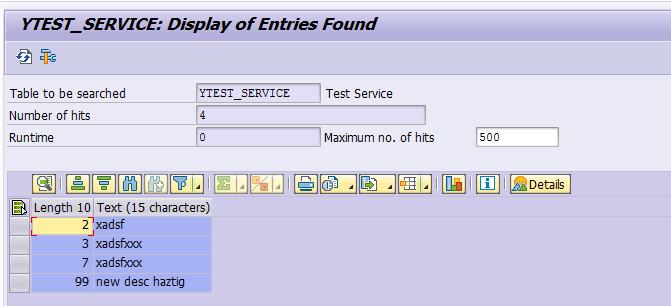
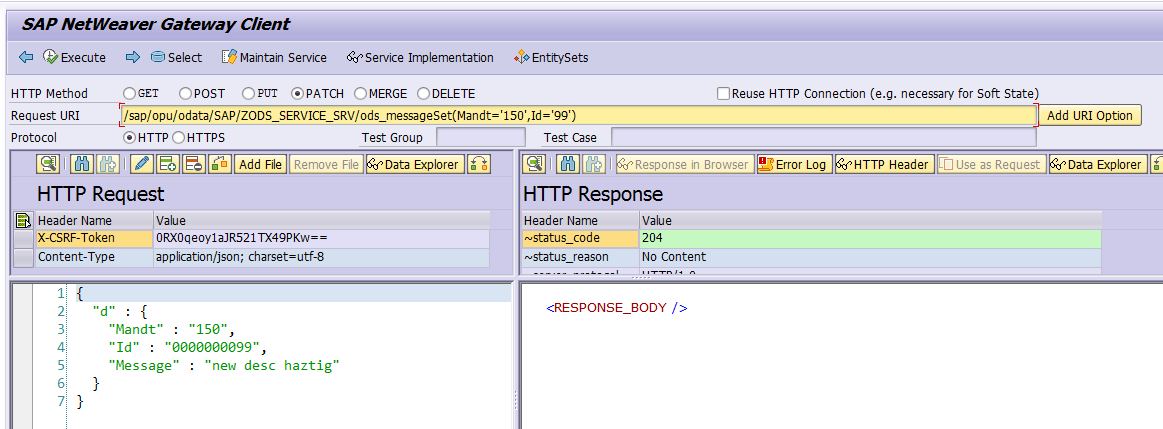
* 1. Create Entry (Create)

* 1. Delete



* 1. Update



1. TODO Items

> Testing outside the Gateway SAP Client

- Browser

- Postman/Curl

> Error Handling

> Authentication

- Standard

- Using HTTP header fields for automatic login

- sap-user, sap-password, sap-client

> SSL/HTTPS/Encryption

> Debugging

> Service Creation for a BAPI