


Prerequisite

- SAP BTP Build Process Automation 서비스 Activation
 - . SPA¹⁾ Tenant IP 주소에 대한 Firewall 해제 (참조: [Link](#))
 - Public 네트워크에 대한 Firewall 구성이 되어있는 경우
 - . S/4HANA 설치 및 접근 권한
 - . SAP BTP Build Process Automation 서비스 활성화
 - . 네트워크 전송 사이즈 제한 해제
- SPA¹⁾ Desktop Agent 설치
 - . 최소 사양 → CPU: Dual Core@ 2 GHz, Memory: 8GB (at least 2GB of free memory depending on the project/package)
 - . SAP GUI 설치 및 연계
 - . 로컬 PC에서 SAP BTP 접근을 허용 (Firewall 등 해제)
 - . Microsoft.NET framework 4.7.2 설치
 - . Microsoft Visual C++ 2010 Redistributable Package x86
 - . Supported Browsers: Microsoft Edge, Google Chrome
 - . 기타 자세한 사항: [Link](#)

1) SPA: SAP Process Automation

Prerequisite

- S/4HANA 권한
 - . Sales Order 생성 권한 (API 콜 서비스)
 - . SAP_GATEWAY_ACTIVATE_ODATA_SERV 활성화 및 테스트
 - . T-Code : STC01, SICF
 - . Network 및 Port 정보 확인
 - . T-Code : SM59
 - . Enabling Scripting on the Server Side
 - . T-Code : RZ11
 - . sapgui/user_scripting

 Change Parameter Value

Parameter Values

Parameter Name: sapgui/user_scripting

Kernel Default: FALSE

Default Profile: FALSE

Instance Profile: FALSE

Current Value: FALSE

New Value: TRUE

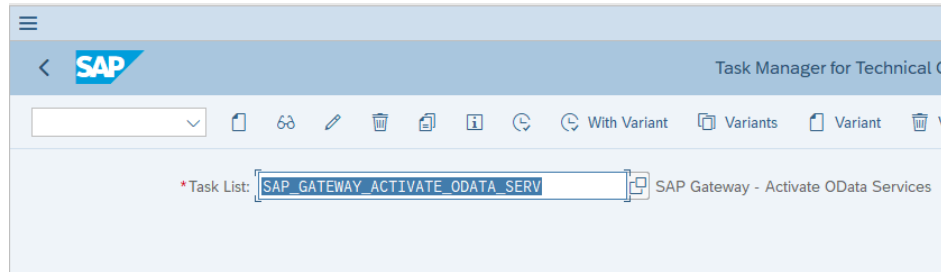
☐ Switch on all servers

Prerequisite

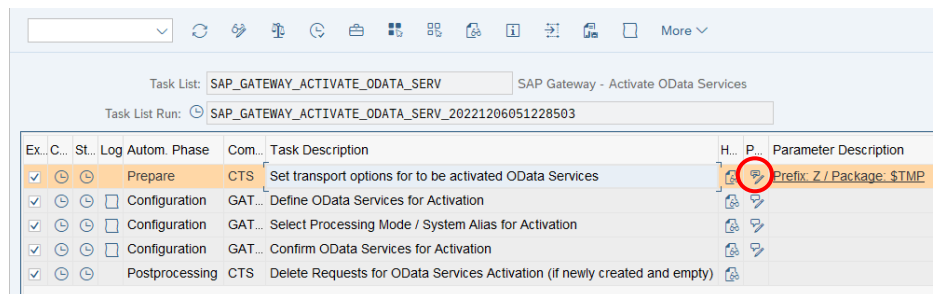
- Sales Order 생성 권한 (API 콜 서비스)
 . SAP_GATEWAY_ACTIVATE_ODATA_SERV 활성화

. T-Code : STC01

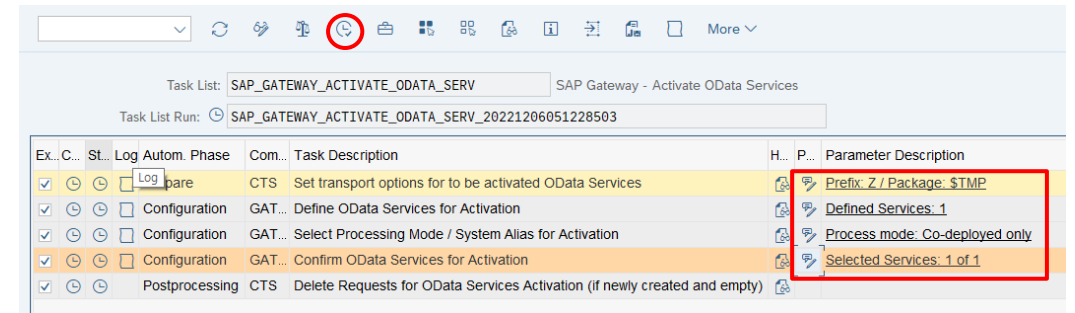
1, Generate Task List Run



2, Set transport options for to be activated OData Services



3, 아래와 같이 수정 및 Start/Resume Task List Run in Dialog



4, 동일한 방법으로 2~4번째 수행 및 Start/Resume Task

- 2번째: API_SALES_ORDER_SRV
- 3번째: Co-deployed only
- 4번째: API_SALES_ORDER_SRV
- 그리고 Start/Resume Task

Prerequisite

- Sales Order 생성 권한 (API 콜 서비스)
 - . SAP_GATEWAY_ACTIVATE_ODATA_SERV 테스트
 - . T-Code : SICF
 - 1, API_SALES_ORDER_SRV 선택 및 실행

The screenshot shows the SAP SICF transaction interface. The 'Filter for Calling ICF Hierarchy' section is visible, with the following fields:

- Hierarchy Type: SERVICE
- Virtual Host: (empty)
- Service Path: (empty)
- Service Name: API_SALES_ORDER_SRV (highlighted with a red box)
- Reference Service: (empty)
- Description: (empty)
- Language: English

The 'Filter for Detail Information' section is also visible, with fields for Created By, Created On, Last Changed By, and Changed On.

- 2, API_SALES_ORDER_SRV 선택 및 Test Service

The screenshot shows the SAP SICF transaction interface. The 'Filter Details' section is visible, with the following fields:

- Virtual Host: (empty)
- Service Path: (empty)
- ServiceName: API_SALES_ORDER_SRV
- Description: (empty)
- Lang.: English
- Reference: (empty)

The 'Virtual Hosts/Services' table is visible, with the following columns: Virtual Hosts/Services, Documentation, and Reference Service.

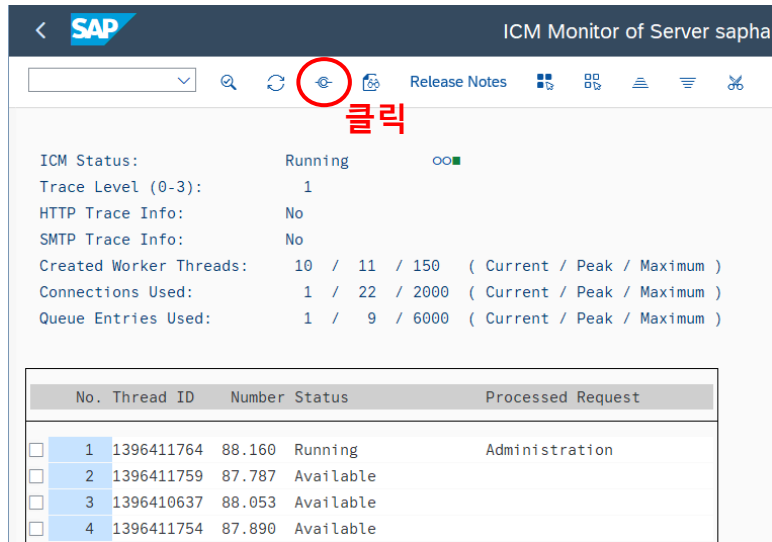
Virtual Hosts/Services	Documentation	Reference Service
default_host	VIRTUAL DEFAULT HOST	
sap	SAP NAMESPACE; SAP IS OBLIGED NOT TO DELIVER ANY...	
opu	OData for SAP Products	
odata	Standard Mode	
sap	Namespace	
api_sales_order_srv	API_SALES_ORDER_SRV	

The 'api_sales_order_srv' entry is highlighted with a red box. A context menu is open over this entry, with the 'Test Service' option highlighted with a red box.

Prerequisite

- HTTPS 서비스 호스트 명 및 포트 번호

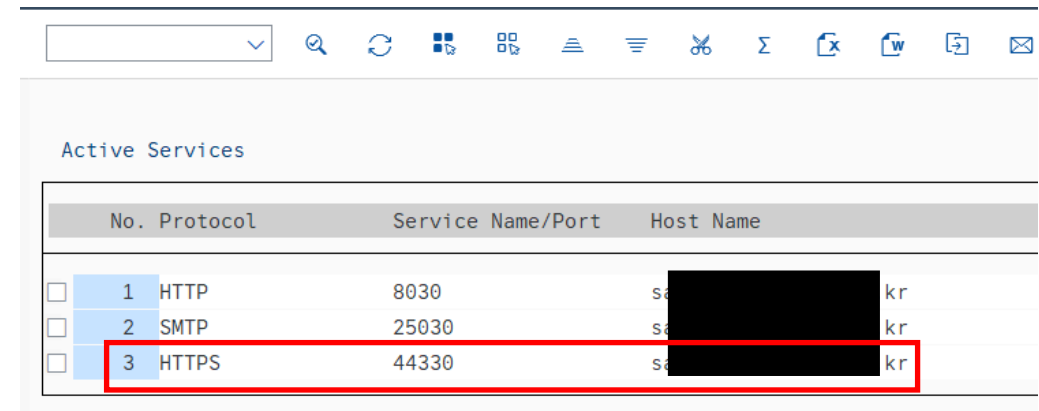
. T-Code : SMICM



The screenshot shows the SAP ICM Monitor of Server sapha interface. The top bar includes the SAP logo and the title 'ICM Monitor of Server sapha'. Below the bar, there is a search bar and several icons. A red circle highlights the 'Refresh' icon (a circular arrow), with the Korean text '클릭' (Click) written below it. The main content area displays the ICM Status as 'Running' with a green status indicator. Below this, there are details for Trace Level (0-3): 1, HTTP Trace Info: No, and SMTP Trace Info: No. Further down, there are statistics for Created Worker Threads (10 / 11 / 150), Connections Used (1 / 22 / 2000), and Queue Entries Used (1 / 9 / 6000). At the bottom, there is a table with columns: No., Thread ID, Number, Status, and Processed Request. The table contains four rows of data, with the first row highlighted in blue.

No.	Thread ID	Number	Status	Processed Request
1	1396411764	88.160	Running	Administration
2	1396411759	87.787	Available	
3	1396410637	88.053	Available	
4	1396411754	87.890	Available	

- 네트워크 및 Port 번호



The screenshot shows the 'Active Services' table in the SAP ICM Monitor. The table has three columns: No., Protocol, and Service Name/Port. The first three rows are highlighted in blue. The third row, representing the HTTPS service, is also highlighted with a red rectangle. The Host Name column is partially obscured by a black redaction box.

No.	Protocol	Service Name/Port	Host Name
1	HTTP	8030	sa [redacted] kr
2	SMTP	25030	sa [redacted] kr
3	HTTPS	44330	sa [redacted] kr

Prerequisite

- SAP GUI 기반 자동화를 위한 구성
 - . Enabling Scripting on the Server Side
 - . T-Code : RZ11
 - sapgui/user_scripting 기술하고 확인

Profile Parameter Maintenance

Parameter Name

sapgui/user_scripting

Display

Display docum.

sapgui/user_scripting

- Current Value가 FALSE 면 TRUE로 수정

Change Value

Metadata for Parameter sapgui/user_scripting

Description	Value
Name	sapgui/user_scripting
Type	Boolean Value
Further Selection Criteria	
Unit	
Parameter Group	Gui
Parameter Description	Enable or disable user scripting on
CSN Component	BC-ABA-SC
System-Wide Parameter	No
Dynamic Parameter	Yes
Vector Parameter	No
Has Subparameters	No
Check Function Exists	No
Internal Parameter	No
Read-Only Parameter	No

Value of Profile Parameter sapgui/user_scripting

Expansion Level	Value
Kernel Default	FALSE
Default Profile	FALSE
Instance Profile	FALSE
Current Value	TRUE

FALSE인 경우 Change Value를
클릭하여 화면과 같이 TRUE로 수정

Thank you.