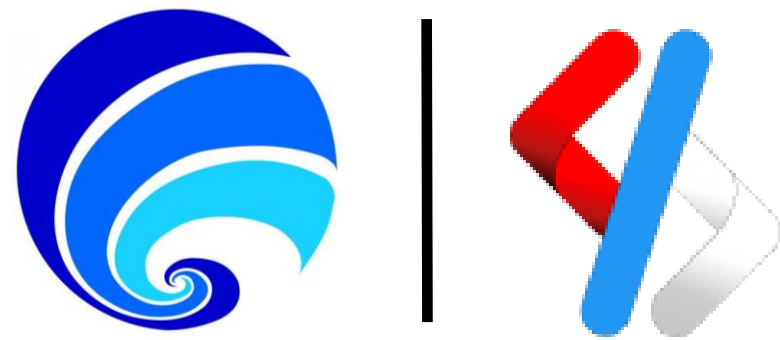


**BMBINGAN TEKNIS - INTEGRASI / ESB
SISTEM PENGHUBUNG LAYANAN PEMERINTAH**



**KEMENTERIAN KOMUNIKASI DAN INFORMATIKA
DIREKTORAT JENDERAL APLIKASI INFORMATIKA
DIREKTORAT LAYANAN APLIKASI INFORMATIKA PEMERINTAHAN**



AKUN NASIONAL

tidak ada @

AKUN IPPD

ada admin@bangkatengah.go.id

Materi Selanjutnya

ESB - Pembuatan Data Services

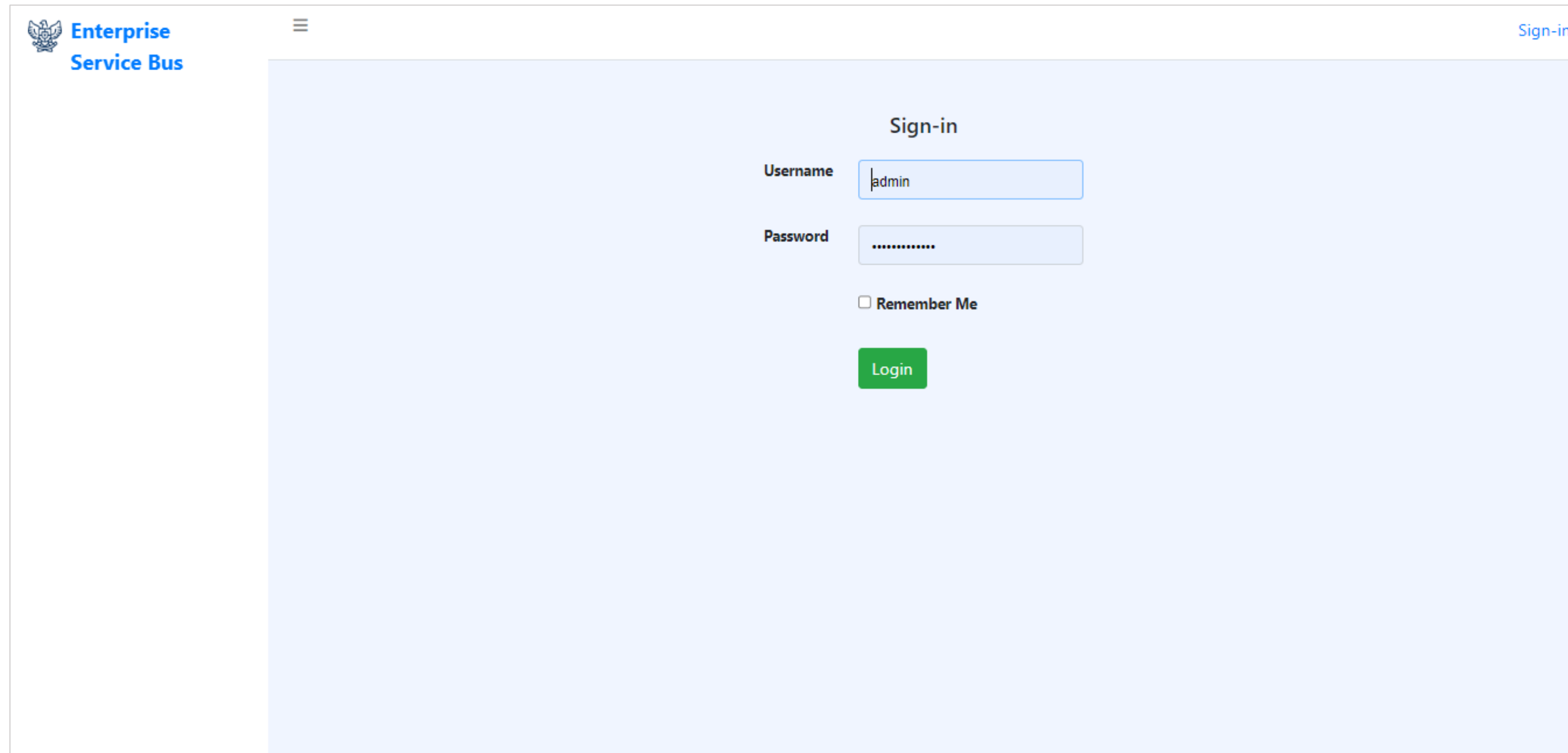
- a. **Konfigurasi Carbon Datasources** ✓
- b. **Generate Data Services**
 1. Generate Data Services from Carbon Datasources
 2. Konfigurasi Service Details
 3. Konfigurasi Resources
- c. **Create Data Service**
 1. Konfigurasi Service Details
 2. Konfigurasi Data Sources
 3. Konfigurasi Queries
 4. Konfigurasi Operations (optional)
 5. Konfigurasi Resources
- d. **Membuat API di Portal Penyedia SPLP**

Create > Config > Deploy > Test > Publish > Monitor



Log In

Pergi ke halaman <https://esb-splpdev.layanan.go.id/> untuk melakukan **log in**.



The screenshot shows the login interface for the Enterprise Service Bus. In the top left corner, there is a logo of Garuda Indonesia and the text "Enterprise Service Bus". In the top right corner, there is a "Sign-in" link. The main content area is a light blue box with the title "Sign-in" centered at the top. Below the title, there are two input fields: "Username" with the value "admin" and "Password" with masked characters ".....". Below the password field, there is a checkbox labeled "Remember Me" which is currently unchecked. At the bottom of the form, there is a green "Login" button.

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Datasources

Data Services

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Add Tenant

List Tenant



[Home](#)

Datasources

Available Datasources

Show

entries

Search:

Datasource	Status	Action
bimtek-splp	ACTIVE	Edit Delete
db-ujian-splp	ACTIVE	Edit Delete
dbsimulasi_pgsql	ACTIVE	Edit Delete
simulasi	ACTIVE	Edit Delete

Showing 1 to 5 of 5 entries

Previous

1

Next

[Add Datasource](#)

Konfigurasi Datasources

1. Klik **Datasources** pada bagian **Manage**
2. Klik **Add Datasource** untuk menambahkan sumber data yang akan digenerate menjadi **Data Service**

- Manage
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 - Datasources
- Data Services
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New Datasource

New Datasource

Datasource Type*	RDBMS
Name*	wilayah_ri
Description	data sui
Datasource Provider*	default
Database Engine*	MySQL
Driver*	com.mysql.jdbc.Driver
URL*	jdbc:mysql://10.31.3.174:33
User Name	splpdemouser
Password

- Expose as a JNDI Datasource
- Datasource Configuration Parameters

Test Connection Save Cancel

Warning
Connection is healthy
OK

Home > New Datasource

- Dukungan DB Engine:**
1. MySQL *
 2. Apache Derby
 3. Microsoft SQL Server *
 4. Oracle *
 5. IBM DB2
 6. HSQLDB
 7. Informix
 8. PostgreSQL *
 9. Sybase ASE
 10. H2

Lengkapi form **New Data Source** mulai dari **Datasource Type** hingga **Password**

- **URL:** jdbc:mysql://10.31.3.174:3306/wilayah
- **Username:** splpdemouser
- **Password:** splpdemopassword
- Pastikan datasource sesuai dengan cara klik **Test Connections**, kemudian klik **Save**

Catatan: Name harus unik agar tidak duplikat





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Available Datasources

Show

10

entries

Search:

Datasource



Status



Action



bimtek-splp

ACTIVE

[Edit](#)

[Delete](#)

db-ujian-splp

ACTIVE

[Edit](#)

[Delete](#)

dbsimulasi_pgsql

ACTIVE

[Edit](#)

[Delete](#)

simulasi

ACTIVE

[Edit](#)

[Delete](#)

wilayah

ACTIVE

[Edit](#)

[Delete](#)

Showing 1 to 5 of 5 entries

Previous

1

Next

[Add Datasource](#)

Materi Selanjutnya

ESB - Pembuatan Data Services

a. Konfigurasi Carbon Datasources

b. Generate Data Services ✓

1. Generate Data Services from Carbon Datasources
2. Konfigurasi Service Details
3. Konfigurasi Resources

c. Create Data Service

1. Konfigurasi Service Details
2. Konfigurasi Data Sources
3. Konfigurasi Queries
4. Konfigurasi Operations (optional)
5. Konfigurasi Resources

d. Membuat API di Portal Penyedia SPLP

Create > Config > Deploy > Test > Publish > Monitor



Generate Data Service

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- Data Services
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Datasources
Available Datasources

Show: entries

Search:

Datasource	Status	Action
bimtek-splp	ACTIVE	Edit Delete
db-ujian-splp	ACTIVE	Edit Delete
dbsimulasi_pgsql	ACTIVE	Edit Delete
simulasi	ACTIVE	Edit Delete
wilayah	ACTIVE	Edit Delete

Showing 1 to 5 of 5 entries

[Previous](#) **1** [Next](#)

[Add Datasource](#)

Klik **Generate Data Service** pada bagian **Data Services** sehingga tampil halaman pilih **Carbon Datasources**



Manage

 Services

 Databases

Data Services

 Create

 Generate

Select Datasource

Carbon Datasource Details

Carbon Datasource(s)*

wilayah

Database Name*

wilayah

Next >

Cancel

1. Pilih **Carbon Datasource(s)**

Disini akan tampil daftar nama Datasources yang telah dikonfigurasi sebelumnya.

2. Lengkapi **Database Name**

Nama database pada Datasources yang dikonfigurasi sebelumnya adalah **wilayah**.

3. Klik **Next** sehingga tampil halaman **Customize Service Generation**.

Customize Service Generation

[Select all](#) | [Select none](#)

Select Table(s)



districts



provinces



regencies



villages

< Back

Next >

Cancel

Disini akan ditampilkan tabel-tabel yang tersedia pada database wilayah untuk digenerate query-nya.

1. Centang nama tabel pada bagian **Select Tabel(s)** sesuai dengan kebutuhan. Jika dipilih semua maka akan melakukan generate query operasi CRUD untuk semua tabel yang dipilih.

2. Klik **Next** sehingga tampil halaman **Service Generation Mode**.

1. Pilih **Service Generation Mode**: Single Service
2. Lengkapi **Data Service Namespace**
Ini dapat diisi dengan informasi yang relevan dengan informasi yang terkandung pada sebuah data service yang sedang dibuat.

3. Lengkapi **Data Service Name**
Proses Generate akan menghasilkan sebuah Data Service.

Opsi jika pilih **Service Generation Mode**: Multiple Service

1. Lengkapi **Data Service Namespace**
2. Klik **Next**
Proses Generate akan menghasilkan beberapa Data Service berdasarkan tabel yang dipilih saat tahap **Customize Service Generation** sebelumnya.

Catatan: Data Service Name harus unik agar tidak duplikat

Klik **Finish** sehingga tampil **Deployed Services**

Generated Service(s)

Deployed Service(s)

Following Service(s) are Deployed Sucessfully

dswilayah

Finish

Generated Service(s)

Deployed Service(s)

Following Service(s) are Deployed Sucessfully

districts_DataService

provinces_DataService

regencies_DataService

villages_DataService

Finish

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Service Generation

Select Service Generation Mode

- Single Service - Creates one service for all selected tables
- Multiple Services - Creates a service per table

Data Service Namespace wilayah kominfo

Data Service Name* dswilayah

< Back

Next >

Cancel

- Single Service - Creates one service for all selected tables
- Multiple Services - Creates a service per table

Data Service Namespace wilayah kominfo

< Back

Next >

Cancel



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Select all in this page | Select none

Delete

Name	Type	Type	WSDL1	WSDL2	Test	Action
<input type="checkbox"/> districts_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah1	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah2	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah3	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> provinces_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> regencies_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> villages_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
wso2carbon-sts	sts	Unsecured	WSDL1.1	WSDL2.0		

Delete

Tampil halaman **Deployed Service**, pastikan data service yang telah dibuat tersedia pada tabel **Services**. Halaman ini dapat diakses pada menu **Service** bagian **Manage**.



Konfigurasi Data Service

1. Service Detail
2. Resources



Search



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Select all in this page | Select none

Delete

Name	Type	Type	WSDL1	WSDL2	Test	Action
<input type="checkbox"/> districts_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah1	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah2	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah3	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> provinces_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> regencies_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> villages_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
wso2carbon-sts	sts	Unsecured	WSDL1.1	WSDL2.0		

Delete

Klik *nama services* pada kolom **services** yang ada di halaman **Deployed Services**.



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Service Dashboard (dswilayah)

Service Details

Service Name	dswilayah
Service Description	
Service Group Name	dswilayah
Deployment Scope	request
Service Type	data_service

Operations

Active [Deactivate]

Quality of Service Configuration

Specific Configuration

- Edit Data Service (Wizard)
- Edit Data Service (XML Edit)

Client Operations

- Try this service
- Generate Axis2 Client
- WSDL1.1
- WSDL2.0

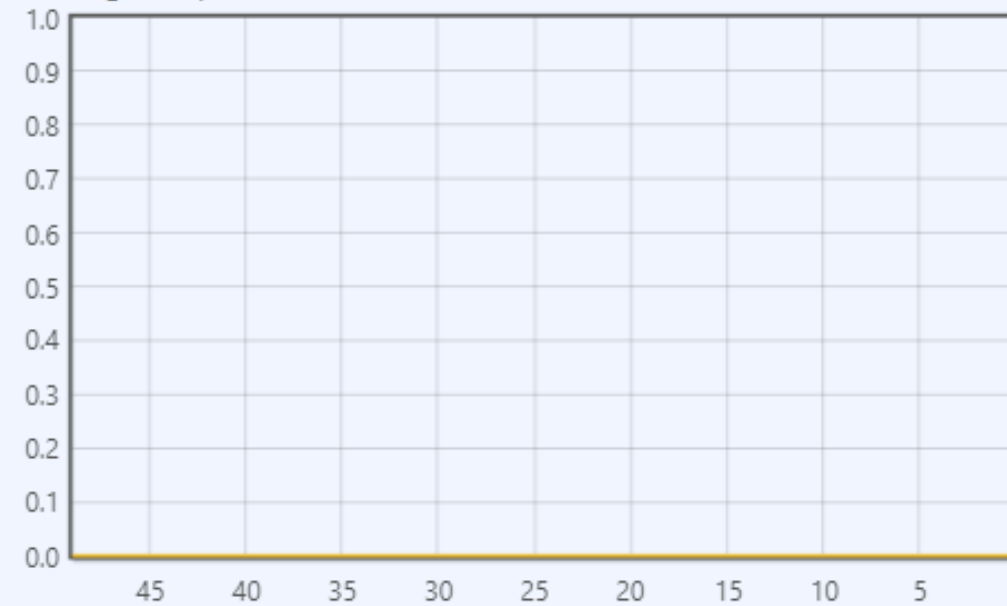
Endpoints

WARNING: EPRs are NULL. Transport configuration may be incorrect

Statistics

Request Count	0
Response Count	0
Fault Count	0
Maximum Response Time	0 ms
Minimum Response Time	0 ms
Average Response Time	0.0 ms

Average Response Time(ms) vs. Time(Units)



Pada halaman **Services Dashboard** terdapat bagian **Endpoints** yang belum tersedia. Lakukan konfigurasi Transport dan konfigurasi lainnya terlebih dahulu.

Klik **Edit Data Service (Wizard)** pada bagian **Specific Configuration**

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Edit Data Service (dswilayah1)

Service Details

Data Service Name* dswilayah

Data Service Namespace dswilayah

Description

Advanced Configurations

Enable Batch Requests

Enable Boxcarring

Enable Streaming

Transport Settings

http

https

local

jms

[Show Advanced Distributed Transactions Settings](#)

Authorization Provider Configurations

[Next >](#) [Cancel](#)

1. Centang **Enable Streaming** pada **Advanced Configuration**
2. Centang **https** (atau juga http) pada **Transport Settings**
3. Pergi ke halaman **REST Resource** dengan cara mengklik **Next** pada halaman **Edit Data Service (Wizard)** sehingga tampil halaman **Data Sources**
4. Kemudian klik kembali **Next** pada halaman **Data Sources** sehingga tampil halaman **Queries**

Datasources

Name	Actions
default	Edit Datasource Delete Datasource

[+ Add New Datasource](#)

[< Back](#) [Next >](#) [Finish](#) [Save as Draft](#) [Cancel](#)

Queries

Query	Type	Actions
delete_regencies_query	default	Edit Query Delete Query
insert_provinces_query	default	Edit Query Delete Query
update_regencies_query	default	Edit Query Delete Query
select_with_key_villages_query	default	Edit Query Delete Query
update_villages_query	default	Edit Query Delete Query
insert_regencies_query	default	Edit Query Delete Query
select_all_regencies_query	default	Edit Query Delete Query
insert_districts_query	default	Edit Query Delete Query
insert_villages_query	default	Edit Query Delete Query
delete_villages_query	default	Edit Query Delete Query
update_provinces_query	default	Edit Query Delete Query
delete_districts_query	default	Edit Query Delete Query
select_all_provinces_query	default	Edit Query Delete Query
delete_provinces_query	default	Edit Query Delete Query
select_all_districts_query	default	Edit Query Delete Query
select_with_key_provinces_query	default	Edit Query Delete Query
select_with_key_districts_query	default	Edit Query Delete Query
select_all_villages_query	default	Edit Query Delete Query
select_with_key_regencies_query	default	Edit Query Delete Query
update_districts_query	default	Edit Query Delete Query

[+ Add New Query](#)

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Operations

Operation Name	Query	Actions
select_with_key_provinces_operation	select_with_key_provinces_query	Edit Operation Delete Operation
update_villages_operation	update_villages_query	Edit Operation Delete Operation
delete_provinces_operation	delete_provinces_query	Edit Operation Delete Operation
update_districts_operation	update_districts_query	Edit Operation Delete Operation
delete_villages_operation	delete_villages_query	Edit Operation Delete Operation
select_all_regencies_operation	select_all_regencies_query	Edit Operation Delete Operation
update_regencies_operation	update_regencies_query	Edit Operation Delete Operation
select_all_districts_operation	select_all_districts_query	Edit Operation Delete Operation
insert_districts_operation	insert_districts_query	Edit Operation Delete Operation
select_with_key_villages_operation	select_with_key_villages_query	Edit Operation Delete Operation
insert_regencies_operation	insert_regencies_query	Edit Operation Delete Operation
select_all_villages_operation	select_all_villages_query	Edit Operation Delete Operation
update_provinces_operation	update_provinces_query	Edit Operation Delete Operation
select_with_key_districts_operation	select_with_key_districts_query	Edit Operation Delete Operation
delete_regencies_operation	delete_regencies_query	Edit Operation Delete Operation
insert_villages_operation	insert_villages_query	Edit Operation Delete Operation
select_all_provinces_operation	select_all_provinces_query	Edit Operation Delete Operation
select_with_key_regencies_operation	select_with_key_regencies_query	Edit Operation Delete Operation
insert_provinces_operation	insert_provinces_query	Edit Operation Delete Operation
delete_districts_operation	delete_districts_query	Edit Operation Delete Operation

[+ Add New Operation](#)

[< Back](#) [Next >](#) [Finish](#) [Save as Draft](#) [Cancel](#)



1. Pada halaman **Resources** klik **Add New Resource** sehingga tampil halaman **Add Resouces**
2. Lengkapi **Resource Path** (contoh: getprov)
3. Lengkapi **Description**
4. Pilih **GET** pada **Resource Method**
5. Pilih **Query ID** (eg: select_all_provinces_query)
6. Centang **Enable Streaming**
7. Klik **Save**

Resources

[+ Add New Resource](#)

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[Finish](#)

[Save as Draft](#)

[Cancel](#)



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Add Resources(dswilayah1)

Resources

Resource Path*

menampilkan daftar provinsi

Description

Resource Method*

Query ID*

Enable Streaming

[Save](#)

[Cancel](#)

Add Resources(dswilayah1)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name Resource Parameter Name

id	id
name	name

Enable Streaming

Add Resources(dswilayah1)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name Resource Parameter Name

name	name
id	id

Enable Streaming

Add Resources(dswilayah1)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name Resource Parameter Name

id	id
----	----

Enable Streaming

Resources

Resource Path	Query	Actions
getprov	select_all_provinces_query	Edit Resource Delete Resource
addprov	insert_provinces_query	Edit Resource Delete Resource
editprov	update_provinces_query	Edit Resource Delete Resource
delprov	delete_provinces_query	Edit Resource Delete Resource

[+ Add New Resource](#)

Tambahkan resources lainnya berdasarkan operasi yang dicontohkan seperti **addprov** (tambah data), **editprov** (update data), **delprov** (hapus data).

Disini Resources Method **POST** digunakan untuk melakukan operasi hapus data.

Jika semua resources sudah selesai dikonfigurasi, klik **Finish**

Setelah klik **Finish** pergi kembali ke halaman ini dan klik **Edit Resources** untuk mengaktifkan **Return Request Status** pada resources **addprov**, **editprov**, **delprov**.

Enable Streaming

Return Request Status

Jangan lupa klik kembali **Save** dan **Finish** agar perubahan tersimpan.

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Service Dashboard (dswilayah)

Service Details

Service Name	dswilayah
Service Description	
Service Group Name	dswilayah
Deployment Scope	request
Service Type	data_service

Operations

Active [Deactivate]

Quality of Service Configuration

Specific Configuration

- Edit Data Service (Wizard)
- Edit Data Service (XML Edit)

Client Operations

- Try this service
- Generate Axis2 Client
 - WSDL1.1
 - WSDL2.0

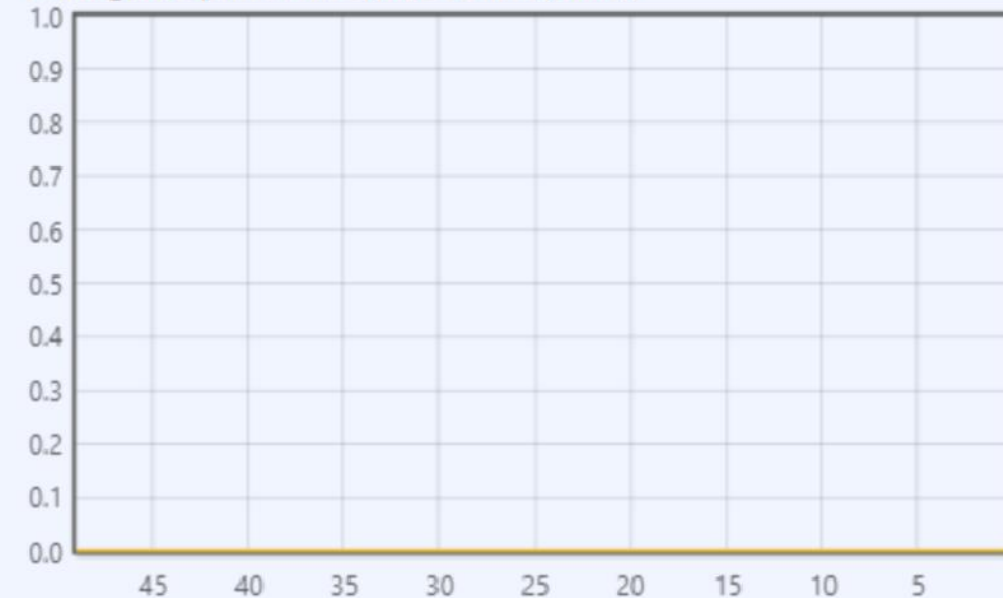
Endpoints

<https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah>

Statistics

Request Count	0
Response Count	0
Fault Count	0
Maximum Response Time	0 ms
Minimum Response Time	0 ms
Average Response Time	0.0 ms

Average Response Time(ms) vs. Time(Units)



Periksa halaman **Services Dashboard** pada *service* yang sudah dibuat, dan pastikan **Endpoints** tersedia.

Untuk menguji apakah endpoint yang telah dibuat itu sudah tersedia lakukan pemanggilan endpoint tersebut pada browser dilengkapi dengan salah satu resource.

<https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah/getprov>

Endpoint Testing

The screenshot displays the Postman web interface. At the top, there is a navigation bar with 'Home', 'Workspaces', 'API Network', and 'Explore'. A search bar labeled 'Search Postman' is present. On the right side of the top bar, there are buttons for 'Invite', 'Upgrade', and window controls. Below the top bar, the user's workspace is identified as 'BIMTEK SPLP'. The main area is divided into a left sidebar and a main content area. The sidebar contains 'Collections', 'Environments', 'History', and a grid icon. Under 'Collections', the 'Bimtek SPLP' collection is expanded, showing a tree view of endpoints: 'Wilayah ESB' (containing 'GET getprov', 'POST addprov', 'PUT editprov', 'POST delprov'), 'Wilayah SPLP', 'Wilayah RI SPLP', 'DBSimulasi Tunggakan - ok', 'DBSimulasi TKI - ok', 'DBSimulasi Pegawai - ok', 'DBSimulasi Pajak - ok', 'DBSimulasi Kesehatan - ok', 'Bimtek Tugas', 'POST Token SPLP Prod', and 'POST Token SPLP Dev'. The main content area shows the 'Overview' tab for the selected 'GET getprov' endpoint. It features the title 'Bimtek SPLP', a description 'Make things easier for your teammates with a complete collection description.', and a link 'View complete documentation ->'. On the right side of the main content area, there is a metadata section showing 'Created by You' and 'Created on 25 Jul 2023, 1:06 PM'. At the bottom of the interface, there is a status bar with 'Online', 'Find and replace', 'Console', 'Runner', 'Capture requests', 'Cookies', 'Trash', and a help icon.



- Collections
- Environments
- History
- Bimtek SPLP
 - Wilayah ESB
 - GET getprov
 - POST addprov
 - PUT editprov
 - POST delprov
 - Wilayah SPLP
 - Wilayah RI SPLP
 - DBSimulasi Tunggakan - ok
 - DBSimulasi TKI - ok
 - DBSimulasi Pegawai - ok
 - DBSimulasi Pajak - ok
 - DBSimulasi Kesehatan - ok
 - Bimtek Tugas
 - POST Token SPLP Prod
 - POST Token SPLP Dev

Bimtek SPLP / Wilayah ESB / getprov

GET https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah/getprov

Save Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (10) Test Results Status: 200 OK Time: 665 ms Size: 2.42 KB Save as Example

Pretty Raw Preview Visualize XML

```

1 <provincesCollection xmlns="dswilayah">
2   <provinces>
3     <id>11</id>
4     <name>ACEH</name>
5   </provinces>
6   <provinces>
7     <id>12</id>
8     <name>SUMATERA UTARA</name>
9   </provinces>
10  <provinces>
11    <id>13</id>
12    <name>SUMATERA BARAT</name>
13  </provinces>
14  <provinces>
15    <id>14</id>
16    <name>RIAU</name>
17  </provinces>
18  </provinces>

```



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import Overview GET getprov POST addprov PUT editprov POST delprov No Environment

Bimtek SPLP / Wilayah ESB / addprov Save Send

POST https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah/addprov

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1
2   "Parameters": {
3     "id": "00",
4     "name": "data provinsi bimtek"
5   }
6

```

Body Cookies Headers (8) Test Results Status: 200 OK Time: 613 ms Size: 338 B Save as Example

Pretty Raw Preview Visualize JSON

```

1
2   "REQUEST_STATUS": "SUCCESSFUL"
3

```

Body Cookies Headers (10) Test Results Status: 200 OK Time: 610 ms Size: 2.49 KB Save as Example

Pretty Raw Preview Visualize XML

```

1 <provincesCollection xmlns="dswilayah">
2   <provinces>
3     <id>00</id>
4     <name>data provinsi bimtek</name>
5   </provinces>
6   <provinces>
7     <id>11</id>
8     <name>ACEH</name>
9   </provinces>

```

Body > raw > JSON:

```

{
  "Parameters": {
    "id": "00",
    "name": "data provinsi bimtek"
  }
}

```



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import Overview GET getprov POST addprov PUT editprov POST delprov No Environment

Bimtek SPLP / Wilayah ESB / editprov Save Send Cookies Beautify

PUT https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah/editprov

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1 {
2   "Parameters": {
3     "id": "00",
4     "name": "NAMA PROVINSI BIMTEK"
5   }
6 }

```

Body Cookies Headers (8) Test Results Status: 200 OK Time: 267 ms Size: 338 B Save as Example

Pretty Raw Preview Visualize JSON

```

1 {
2   "REQUEST_STATUS": "SUCCESSFUL"
3 }

```

Body Cookies Headers (10) Test Results Status: 200 OK Time: 342 ms Size: 2.49 KB Save as Example

Pretty Raw Preview Visualize XML

```

1 <provincesCollection xmlns="dswilayah">
2   <provinces>
3     <id>00</id>
4     <name>NAMA PROVINSI BIMTEK</name>
5   </provinces>
6   <provinces>
7     <id>11</id>
8     <name>ACEH</name>
9   </provinces>

```

Body > raw > JSON:

```

{
  "Parameters": {
    "id": "00",
    "name": "NAMA PROVINSI BIMTEK"
  }
}

```



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import Overview GET getprov POST addprov PUT editprov POST delprov No Environment

Bimtek SPLP / Wilayah ESB / delprov Save Send Cookies Beautify

POST https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah/delprov

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1  {
2    "Parameters": {
3      "id": "00"
4    }
5  }

```

Body Cookies Headers (8) Test Results Status: 200 OK Time: 538 ms Size: 338 B Save as Example

Pretty Raw Preview Visualize JSON

```

1  {
2    "REQUEST_STATUS": "SUCCESSFUL"
3  }

```

Body Cookies Headers (10) Test Results Status: 200 OK Time: 317 ms Size: 2.42 KB Save as Example

Pretty Raw Preview Visualize XML

```

1  <provincesCollection xmlns="dswilayah">
2    <provinces>
3      <id>11</id>
4      <name>ACEH</name>
5    </provinces>
6    <provinces>
7      <id>12</id>
8      <name>SUMATERA UTARA</name>
9    </provinces>

```

Body > raw > JSON:

```

{
  "Parameters": {
    "id": "00"
  }
}

```

Body > raw > XML:

```

<provincesCollection xmlns="dswilayah">
  <provinces>
    <id>11</id>
    <name>ACEH</name>
  </provinces>
  <provinces>
    <id>12</id>
    <name>SUMATERA UTARA</name>
  </provinces>

```



Materi Selanjutnya

ESB - Pembuatan Data Services

- a. **Konfigurasi Carbon Datasources**
- b. **Generate Data Services**
 1. Generate Data Services from Carbon Datasources
 2. Konfigurasi Service Details
 3. Konfigurasi Resources
- c. **Create Data Service ✓**
 1. Konfigurasi Service Details
 2. Konfigurasi Data Sources
 3. Konfigurasi Queries
 4. Konfigurasi Operations (optional)
 5. Konfigurasi Resources
- d. **Membuat API di Portal Penyedia SPLP**

Create > Config > Deploy > Test > Publish > Monitor



Create Data Services

The screenshot shows the 'Deployed Services' page with a search bar and a sidebar menu. The 'Data Services' section is active, showing a 'Create' button. Below the sidebar is a table of services. An arrow points from the 'Create' button to the 'Edit Data Service (dswilayah2)' configuration page.

Deployed Services
9 active services. 9 deployed service group(s).

Service Type: ALL

Name	Type	Type	WSDL1	WSDL2	Test	Action
<input type="checkbox"/> districts_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah2	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah_rizki	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> dswilayah_rizki_create	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> provinces_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> regencies_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> villages_DataService	data_service	Unsecured	WSDL1.1	WSDL2.0	Try this service	
<input type="checkbox"/> wso2carbon-sts	sts	Unsecured	WSDL1.1	WSDL2.0		

Edit Data Service (dswilayah2)

Service Details

Data Service Name*: dswilayah2
Data Service Namespace: dswilayah2
Description:

Advanced Configurations

- Enable Batch Requests
- Enable Boxcarring
- Enable Streaming

Transport Settings

- http
- https
- local
- jms

Show Advanced Distributed Transactions Settings

Authorization Provider Configurations

Next > Cancel

Pembuatan Data Service opsi ini memungkinkan custom query untuk semua data pada tabel yang ada di database/datasources.

Tahapannya:

1. Klik **Create** pada bagian menu **Data Services**
2. Lengkapi **Data Service Name**
3. Lengkapi **Service Namespace**
4. Centang **Enable Streaming** pada **Advance Configuration**
5. Centang **https** (atau juga http) pada **Transport Settings**
6. Klik **Next**
7. Kemudian lakukan **Tambah / Konfigurasi Datasource**

Catatan: Data Service Name harus unik agar tidak duplikat

Datasources

[+ Add New Datasource](#)

[< Back](#) [Next >](#) [Finish](#) [Cancel](#)

1. Klik **Add New Datasource**
2. Lengkapi **Datasource Id** hingga **Password**
3. Lakukan **Test Connection**
4. Klik **Save**, lalu **Next**

Datasources

Name

wilayah2

[+ Add New Datasource](#)

[< Back](#) [Next >](#) [Finish](#)

Edit Datasource (wilayah2)

New Datasource

Datasource Id*

Datasource Type*

Database Engine*

Driver Class*

URL*

User Name

Password

Enable OData

[+ Datasource configuration parameters](#)

[+ Dynamic User Authentication](#)

[Test Connection](#) [Save](#) [Cancel](#)

[Home > Add Datasource](#)

Warning

Database connection is successful with driver class com.mysql.jdbc.Driver , jdbc url jdbc:mysql://10.31.3.174:3306/wilayah and user name splpdemouser

[OK](#)

Use as Secret Alias

Konfigurasi Datasource

URL : jdbc:mysql://10.31.3.174:3306/wilayah

Username : splpdemouser

Password : splpdemopassword

Pastikan datasource sesuai dengan cara klik **Test Connections**, kemudian klik **Save**.

Konfigurasi Queries

Queries

[+ Add New Query](#)

[< Back](#) [Next >](#) [Finish](#) [Save as Draft](#) [Cancel](#)

Add New Query (dswilayah2)

Query Details

Query ID*

Datasource* **--SELECT--** ▼

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type **XML** ▼

Use Column Numbers

Escape Non Printable Characters

Mapped by element

Row name

Row namespace

XSLT Path [Configuration Registry](#)

Currently there are no output mappings present for this query

[+ Add New Output Mapping](#)

Events

Input Event Trigger **--Select--** ▼

Output Event Trigger **--Select--** ▼

[Manage Events](#)

[Save](#) [Cancel](#)

Queries

Query	Type	Actions
select_prov	wilayah2	Edit Query Delete Query
insert_prov	wilayah2	Edit Query Delete Query
update_prov	wilayah2	Edit Query Delete Query
delete_prov	wilayah2	Edit Query Delete Query

[+ Add New Query](#)

[< Back](#) [Next >](#) [Finish](#) [Save as Draft](#) [Cancel](#)

Klik **Add New Query** pada halama **Queries** sehingga tampil fom **Add New Query**.

Beberapa **Query** akan dibuat sebagai operasi data sebuah API.

Select Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:
`SELECT id, regency_id, name FROM districts`
4. Klik **Genera Response**
5. Klik **Save**

Search



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Home > Add Query

Edit Query (dswilayah2/select_district_query)

Query Details

Query ID*

Datasource*

`SELECT id, regency_id, name FROM districts`

SQL*

[Add New SQL Dialect](#) [Generate Input Mappings](#) [Generate Response](#)

SQL Dialects

Advanced Query Properties

Input Mappings

Currently there are no input mappings present for this query

[Add New Input Mapping](#)

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type

Use Column Numbers

Escape Non Printable Characters

Grouped by element

Row name

Row namespace

XSLT Path

[Configuration Registry](#) [Govenance Registry](#)

Element Name	Datasource Type	Datasource Column Name	Mapping Type	Allowed User Roles	Schema Type	Actions
id	column	id	element	N/A	string	Edit Delete
regency_id	column	regency_id	element	N/A	string	Edit Delete
name	column	name	element	N/A	string	Edit Delete

[Add New Output Mapping](#)

Events

Input Event Trigger

Output Event Trigger

[Manage Events](#)

Insert Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:
`INSERT INTO districts(id,regency_id,name) VALUES(:id,:regency_id,:name)`
4. Klik **Generate Input Mapping**
5. Centang **Return Update Row Count**
6. Centang **Return Generated Keys**
7. Klik **Save**

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Edit Query (dswilayah2/insert_district_query)

Query Details

Query ID* insert_district_query

Datasource* wilayah2

```
INSERT INTO districts(id,regency_id,name)
VALUES(:id,:regency_id,:name)
```

SQL*

[Add New SQL Dialect](#) [Generate Input Mappings](#) [Generate Response](#)

SQL Dialects

Advanced Query Properties

Input Mappings

Mapping Name Parameter Type Type Action

id	SCALAR	STRING	Edit Delete
regency_id	SCALAR	STRING	Edit Delete
name	SCALAR	STRING	Edit Delete

[Add New Input Mapping](#)

Return Generated Keys Return Updated Row Count

Key Columns

Result (Output Mapping)

Output type

XML

Use Column Numbers

Escape Non Printable Characters

Grouped by element UpdatedRowCount

Row name

Row namespace

XSLT Path

[Configuration Registry](#) [Govenance Registry](#)

Element Name	Datasource Type	Datasource Column Number	Mapping Type	Allowed User Roles	Schema Type	Actions
Value	column	1	element	N/A	integer	Edit Delete
ID	column	1	element	N/A	integer	Edit Delete

[Add New Output Mapping](#)

Events

Input Event Trigger --Select--

Output Event Trigger --Select--

[Manage Events](#)

Save Cancel

Update Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:

```
UPDATE districts SET  
regency_id=:regency_id,name=:name  
WHERE id=:id
```
4. Klik **Generate Input Mapping**
5. Centang **Return Update Row Count**
6. Klik **Save**

Search

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Edit Query (dswilayah2/update_district_query)

Query Details

Query ID*

Datasource*

```
UPDATE districts SET  
regency_id=:regency_id,name=:name WHERE id=:id
```

SQL*

[Add New SQL Dialect](#) [Generate Input Mappings](#) [Generate Response](#)

SQL Dialects

Advanced Query Properties

Input Mappings

Mapping Name Parameter Type Type Action

regency_id	SCALAR	STRING	Edit	Delete
name	SCALAR	STRING	Edit	Delete
id	SCALAR	STRING	Edit	Delete

[Add New Input Mapping](#)

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type

Use Column Numbers

Escape Non Printable Characters

Grouped by element

Row name

Row namespace

XSLT Path

[Configuration Registry](#) [Governance Registry](#)

Element Name Datasource Type Datasource Column Name Mapping Type Allowed User Roles Schema Type Actions

Value	column	1		element	N/A	integer	Edit Delete
-------	--------	---	--	---------	-----	---------	---

[Add New Output Mapping](#)

Events

Input Event Trigger

Output Event Trigger

[Manage Events](#)

Delete Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:
`DELETE FROM districts WHERE id=:id`
4. Klik **Generate Input Mapping**
5. Centang **Return Update Row Count**
6. Klik **Save**

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Edit Query (dswilayah2/delete_district_query)

Query Details

Query ID* delete_district_query
Datasource* wilayah2

```
DELETE FROM districts WHERE id=:id
```

SQL*

[Add New SQL Dialect](#) [Generate Input Mappings](#) [Generate Response](#)

SQL Dialects

Advanced Query Properties

Input Mappings

Mapping Name Parameter Type Type Action

id	SCALAR	STRING	Edit	Delete
----	--------	--------	----------------------	------------------------

[Add New Input Mapping](#)

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type XML

Use Column Numbers

Escape Non Printable Characters

Grouped by element UpdatedRowCount

Row name

Row namespace

XSLT Path

[Configuration Registry](#) [Governance Registry](#)

Element Name Datasource Type Datasource Column Number Mapping Type Allowed User Roles Schema Type Actions

Value	column	1		element	N/A	integer	Edit Delete
-------	--------	---	--	---------	-----	---------	---

[Add New Output Mapping](#)

Events

Input Event Trigger --Select--

Output Event Trigger --Select--

[Manage Events](#)

Save Cancel

Search Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:
SELECT id, regency_id, name FROM districts
WHERE name LIKE CONCAT ('%',:kecamatan,'%')
4. Klik **Generate Input Mapping**
5. Klik **Generate Response**
6. Klik **Save**

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Home > Add Query

Edit Query (dswilayah2/search_district_query)

Query Details

Query ID*
Datasource*

```
SELECT id, regency_id, name FROM districts  
WHERE name LIKE CONCAT ('%',:kecamatan,'%')
```

SQL*

[Add New SQL Dialect](#) [Generate Input Mappings](#) [Generate Response](#)

SQL Dialects
 Advanced Query Properties

Input Mappings

Mapping Name	Parameter	Type	Action
kecamatan	SCALAR	STRING	Edit Delete

[Add New Input Mapping](#)

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type

Use Column Numbers
 Escape Non Printable Characters

Grouped by element
Row name
Row namespace
XSLT Path

[Configuration Registry](#) [Govenance Registry](#)

Element Name	Datasource	Type	Datasource Column Name	Mapping Type	Allowed User Roles	Schema Type	Actions
id	column		id	element	N/A	string	Edit Delete
regency_id	column		regency_id	element	N/A	string	Edit Delete
name	column		name	element	N/A	string	Edit Delete

[Add New Output Mapping](#)

Events

Input Event Trigger
Output Event Trigger

[Manage Events](#)

Limit Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:
SELECT id, regency_id, name FROM districts
LIMIT :limit
4. Klik **Generate Input Mapping**
5. Klik **Generate Response**
6. Ubah **Type Mapping Name** limit menjadi INTEGER dengan cara klik **Edit** pada kolom Action kemudian ubah **SQL Type**
7. Klik **Save**

Search



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Edit Query (dswilayah2/limit_district_query)

Query Details

Query ID*

Datasource*

```
SELECT id, regency_id, name FROM districts  
LIMIT :limit
```

SQL*

[Add New SQL Dialect](#) [Generate Input Mappings](#) [Generate Response](#)

SQL Dialects

Advanced Query Properties

Input Mappings

Mapping Name	Parameter Type	Type	Action
limit	SCALAR	INTEGER	Edit Delete

[Add New Input Mapping](#)

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type

Use Column Numbers

Escape Non Printable Characters

Grouped by element

Row name

Row namespace

XSLT Path

[Configuration Registry](#) [Govenance Registry](#)

Element Name	Datasource Type	Datasource Column Name	Mapping Type	Allowed User Roles	Schema Type	Actions
id	column	id	element	N/A	string	Edit Delete
regency_id	column	regency_id	element	N/A	string	Edit Delete
name	column	name	element	N/A	string	Edit Delete

[Add New Output Mapping](#)

Events

Input Event Trigger

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Input Mappings

Mapping Name*	<input type="text" value="limit"/>
Parameter Type	<input type="text" value="SCALAR"/>
Optional	<input type="checkbox" value="False"/>
SQL Type*	<input type="text" value="INTEGER"/>
Default Value	<input type="text"/>
IN/OUT Type	<input type="text" value="IN"/>
Ordinal	<input type="text"/>
Add Validations	
Validator	<input type="text" value="--Select--"/>

Count Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:

```
SELECT COUNT(id) AS jumlah  
FROM regencies  
WHERE province_id LIKE CONCAT  
( '%', :kode_provinsi, '%')
```
4. Klik **Generate Response**
5. Klik **Save**

Search



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Home > Add Query

Edit Query (dswilayah2/count_regency_query)

Query Details

Query ID*

Datasource*

SQL*

```
SELECT COUNT(id) AS jumlah  
FROM regencies  
WHERE province_id LIKE CONCAT  
( '%', :kode_provinsi, '%')
```

[Add New SQL Dialect](#) [Generate Input Mappings](#) [Generate Response](#)

SQL Dialects

Advanced Query Properties

Input Mappings

Mapping Name Parameter Type Type Action

kode_provinsi SCALAR STRING [Edit](#) [Delete](#)

[Add New Input Mapping](#)

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type

Use Column Numbers

Escape Non Printable Characters

Grouped by element

Row name

Row namespace

XSLT Path

[Configuration Registry](#) [Govenance Registry](#)

Element Name Datasource Type Datasource Column Name Mapping Type Allowed User Roles Schema Type Actions

jumlah column jumlah element N/A string [Edit](#) [Delete](#)

[Add New Output Mapping](#)

Events

Input Event Trigger

Output Event Trigger

[Manage Events](#)

Search, Limit Query

1. Lengkapi **Query ID**
2. Pilih **Data Source**
3. Isi **SQL** dengan SQL Syntax berikut:
SELECT id, province_id, name FROM regencies
WHERE name LIKE CONCAT ('%':kabkot,'%')
LIMIT :limit
OFFSET :offset
4. Klik **Generate Input Mapping**
5. Klik **Generate Response**
6. Ubah **Type Mapping Name** limit dan offset menjadi INTEGER dengan cara klik **Edit** pada kolom **Action** kemudia ubah **SQL Type**
7. Klik **Save**

Search

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Edit Query (dswilayah2/search_limit_regency_query)

Query Details

Query ID* search_limit_regency_que

Datasource* wilayah2

SQL*

```
SELECT id, province_id, name FROM regencies  
WHERE name LIKE CONCAT ('%':kabkot,'%')  
LIMIT :limit  
OFFSET :offset
```

Add New SQL Dialect Generate Input Mappings Generate Response

SQL Dialects

Advanced Query Properties

Input Mappings

Mapping Name	Parameter Type	Type	Action
kabkot	SCALAR	STRING	Edit Delete
limit	SCALAR	INTEGER	Edit Delete
offset	SCALAR	INTEGER	Edit Delete

Add New Input Mapping

Return Generated Keys Return Updated Row Count

Result (Output Mapping)

Output type XML

Use Column Numbers

Escape Non Printable Characters

Grouped by element Entries

Row name Entry

Row namespace

XSLT Path

Configuration Registry Governance Registry

Element Name	Datasource	Type	Datasource Column Name	Mapping Type	Allowed User Roles	Schema Type	Actions
id	column		id	element	N/A	string	Edit Delete
province_id	column		province_id	element	N/A	string	Edit Delete
name	column		name	element	N/A	string	Edit Delete

Add New Output Mapping

Events

Input Event Trigger --Select--

Output Event Trigger --Select--

Manage Events

Save Cancel

Input Mappings

Mapping Name*	limit
Parameter Type	SCALAR
Optional	False
SQL Type*	INTEGER
Default Value	
IN/OUT Type	IN
Ordinal	
Add Validations	
Validator	--Select--

Main Configuration Save

Konfigurasi Resources

1. Pada halaman **Queries**, klik **Next** sehingga tampil halaman **Operations**.
2. Pada halaman **Operations**, klik **Next** kembali sehingga tampil halaman **Resources**.
3. Klik **Add New Resource** untuk melakukan konfigurasi **Resources**.

Edit Resources(dswilayah2/getdis)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Enable Streaming

Query	Type	Actions
select_district_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>
insert_district_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>
update_district_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>
delete_district_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>
search_district_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>
limit_district_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>
count_regency_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>
search_limit_regency_query	wilayah2	<input type="button" value="Edit Query"/> <input type="button" value="Delete Query"/>

[+ Add New Query](#)

Operations

[+ Add New Operation](#)

Resources

[+ Add New Resource](#)

Edit Resources(dswilayah2/getdis)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Enable Streaming

Edit Resources(dswilayah2/adddis)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name	Resource Parameter Name
id	id
regency_id	regency_id
name	name

Enable Streaming

Edit Resources(dswilayah2/editdis)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name	Resource Parameter Name
regency_id	regency_id
name	name
id	id

Enable Streaming

Edit Resources(dswilayah2/deldis)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name	Resource Parameter Name
id	id

Enable Streaming

Return Request Status

Edit Resources(dswilayah2/srchdis)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name	Resource Parameter Name
kecamatan	kecamatan

Enable Streaming

Edit Resources(dswilayah2/limdis)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name	Resource Parameter Name
limit	limit

Enable Streaming

Edit Resources(dswilayah2/countreg)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name	Resource Parameter Name
kode_provinsi	kode_provinsi

Enable Streaming

Edit Resources(dswilayah2/getreg)

Resources

Resource Path*

Description

Resource Method*

Query ID*

Resource Parameters

Query Parameter Name	Resource Parameter Name
kabkot	kabkot
limit	limit
offset	offset

Enable Streaming

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Resources

Resource Path	Query	Actions
adddis	insert_district_query	 Edit Resource  Delete Resource
editdis	update_district_query	 Edit Resource  Delete Resource
deldis	delete_district_query	 Edit Resource  Delete Resource
srchdis	search_district_query	 Edit Resource  Delete Resource
getdis	select_district_query	 Edit Resource  Delete Resource
limdis	limit_district_query	 Edit Resource  Delete Resource
countreg	count_regency_query	 Edit Resource  Delete Resource
getreg	search_limit_regency_query	 Edit Resource  Delete Resource

 Add New Resource

[< Back](#)

[Finish](#)

[Save as Draft](#)

[Cancel](#)

Endpoint Testing

The screenshot shows the Postman web interface. At the top, there's a navigation bar with 'Home', 'Workspaces', 'API Network', and 'Explore'. A search bar labeled 'Search Postman' is on the right. Below the navigation bar, the user is logged in as 'BIMTEK SPLP'. The main area is divided into a left sidebar and a main content area. The sidebar has sections for 'Collections', 'Environments', 'History', and 'Grid'. Under 'Collections', there's a folder named 'Bimtek SPLP' which is expanded to show several endpoints: 'GET getprov', 'POST addprov', 'PUT editprov', 'POST delprov', 'Wilayah SPLP', 'Wilayah RI SPLP', 'DBSimulasi Tunggakan - ok', 'DBSimulasi TKI - ok', 'DBSimulasi Pegawai - ok', 'DBSimulasi Pajak - ok', 'DBSimulasi Kesehatan - ok', 'Bimtek Tugas', 'POST Token SPLP Prod', and 'POST Token SPLP Dev'. The main content area shows the 'Overview' tab for the 'Bimtek SPLP' collection. It features a title 'Bimtek SPLP', a description 'Make things easier for your teammates with a complete collection description.', and a 'Created by' field showing 'You'. Below this, there's a 'Created on' field showing '25 Jul 2023, 1:06 PM'. A link 'View complete documentation ->' is also present. The bottom status bar shows 'Online', 'Find and replace', 'Console', 'Runner', 'Capture requests', 'Cookies', 'Trash', and a help icon.



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import Overview GET getprov POST addprov PUT editprov POST delprov POST Token SPL GET getdis No Environment

Bimtek SPLP / Wilayah ESB Create / getdis Save Send

GET https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/getdis

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (10) Test Results Status: 200 OK Time: 268 ms Size: 8.53 KB Save as Example

Pretty Raw Preview Visualize XML

```
1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <id>1101010</id>
4     <regency_id>1101</regency_id>
5     <name>TEUPAH SELATAN</name>
6   </Entry>
7   <Entry>
8     <id>1101020</id>
9     <regency_id>1101</regency_id>
10    <name>SIMEULUE TIMUR</name>
11  </Entry>
12  <Entry>
13    <id>1101021</id>
14    <regency_id>1101</regency_id>
15    <name>TEUPAH BARAT</name>
16  </Entry>
17  <Entry>
```

Online Find and replace Console Runner Capture requests Cookies Trash



The screenshot shows the Postman interface with the following details:

- Request:** POST to `https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/adddis`. The body is a JSON object:


```

      {
        "Parameters": {
          "id": "1101000",
          "regency_id": "1101",
          "name": "data-bimtek"
        }
      }
      
```
- Response:** Status: 200 OK, Time: 472 ms, Size: 345 B. The body is a JSON object:


```

      {
        "UpdatedRowCount": {
          "Value": 1,
          "ID": 1
        }
      }
      
```

```

{
  "Parameters": {
    "id": "1101000",
    "regency_id": "1101",
    "name": "data-bimtek"
  }
}

```

```

1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <id>1101000</id>
4     <regency_id>1101</regency_id>
5     <name>data-bimtek</name>
6   </Entry>
7   <Entry>
8     <id>1101010</id>
9     <regency_id>1101</regency_id>
10    <name>TEUPAH SELATAN</name>
11  </Entry>
12  <Entry>
13    <id>1101020</id>
14    <regency_id>1101</regency_id>
15    <name>SIMEULUE TIMUR</name>
16  </Entry>
17  <Entry>

```



The screenshot displays the Postman interface for a REST client. The top navigation bar includes 'Home', 'Workspaces', 'API Network', and 'Explore'. The main workspace is titled 'BIMTEK SPLP' and shows a collection of API endpoints under 'Wilayah ESB Create'. The selected endpoint is 'PUT editdis' with the URL 'https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/editdis'. The request method is 'PUT' and the body is a JSON object:

```

1 {
2   "Parameters": {
3     "id": "1101000",
4     "regency_id": "1101",
5     "name": "DATA BIMTEK"
6   }
7 }

```

The response status is '200 OK' with a time of 294 ms and a size of 338 B. The response body is shown in 'Pretty' format:

```

1 {
2   "UpdatedRowCount": {
3     "Value": 1
4   }
5 }

```

Below the response, an XML view shows a list of districts:

```

1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <id>1101000</id>
4     <regency_id>1101</regency_id>
5     <name>DATA BIMTEK</name>
6   </Entry>
7   <Entry>
8     <id>1101010</id>
9     <regency_id>1101</regency_id>
10    <name>TEUPAH SELATAN</name>
11  </Entry>
12  <Entry>
13    <id>1101020</id>
14    <regency_id>1101</regency_id>
15    <name>SIMEULUE TIMUR</name>
16  </Entry>
17  <Entry>

```

```

{
  "Parameters": {
    "id": "1101000",
    "regency_id": "1101",
    "name": "DATA BIMTEK"
  }
}

```

Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import

Bimtek SPLP

- Wilayah ESB Generate
 - GET getprov
 - POST addprov
 - PUT editprov
 - POST delprov
- Wilayah ESB Create
 - GET getdis
 - POST adddis
 - PUT editdis
 - POST delsid
 - GET limdis
 - GET srchdis
 - GET countreg
 - GET getreg
 - GET get kelurahan
- Wilayah SPLP

Bimtek SPLP / Wilayah ESB Create / delsid

POST https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/deldis

Params Authorization Headers (11) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1
2   "Parameters": {
3     "id": "1101000"
4   }
5

```

Body Cookies Headers (8) Test Results Status: 200 OK Time: 135 ms Size: 338 B Save as Example

Pretty Raw Preview Visualize JSON

```

1
2   "UpdatedRowCount": {
3     "Value": 1
4   }
5

```

Body Cookies Headers (10) Test Results Status: 200 OK Time: 74 ms Size: 8.53 KB Save as Example

Pretty Raw Preview Visualize XML

```

1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <id>1101010</id>
4     <regency_id>1101</regency_id>
5     <name>TEUPAH SELATAN</name>
6   </Entry>
7   <Entry>
8     <id>1101020</id>
9     <regency_id>1101</regency_id>
10    <name>SIMEULUE TIMUR</name>
11  </Entry>
12  <Entry>
13    <id>1101021</id>
14    <regency_id>1101</regency_id>
15    <name>TEUPAH BARAT</name>
16  </Entry>
17  <Entry>

```

Online Find and replace Console

```

{
  "Parameters": {
    "id": "1101000"
  }
}

```



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import GET getdis POST addidi PUT editdis POST delsid GET limdis GET srch GET countr GET getr GET get kel No Environment

Bimtek SPLP / Wilayah ESB Create / limdis Save Send

GET https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/limdis?limit=2

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/> limit	2		
Key	Value	Description	

Body Cookies Headers (10) Test Results Status: 200 OK Time: 300 ms Size: 565 B Save as Example

Pretty Raw Preview Visualize XML

```
1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <id>1101010</id>
4     <regency_id>1101</regency_id>
5     <name>TEUPAH SELATAN</name>
6   </Entry>
7   <Entry>
8     <id>1101020</id>
9     <regency_id>1101</regency_id>
10    <name>SIMEULUE TIMUR</name>
11  </Entry>
12 </Entries>
```

Online Find and replace Console Runner Capture requests Cookies Trash



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import GET getdis POST adddis PUT editdis POST delsid GET limdis GET srchdis GET countreg GET getreg GET get kelurahan POST Token SPLP Prod POST Token SPLP Dev

Bimtek SPLP / Wilayah ESB Create / srchdis Save Send

GET https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/srchdis?kecamatan=cileu

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> kecamatan	cileu	
Key	Value	Description

Body Cookies Headers (10) Test Results Status: 200 OK Time: 449 ms Size: 554 B Save as Example

Pretty Raw Preview Visualize XML

```
1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <id>3201180</id>
4     <regency_id>3201</regency_id>
5     <name>CILEUNGSI</name>
6   </Entry>
7   <Entry>
8     <id>3204290</id>
9     <regency_id>3204</regency_id>
10    <name>CILEUNYI</name>
11  </Entry>
12 </Entries>
```

Runner Capture requests Cookies Trash



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import

POST delprc POST Token GET getdis POST adddi PUT editdis POST delsid GET limdis GET srch GET countr

No Environment

GET getdis
POST adddis
PUT editdis
POST delsid
GET limdis
GET srchdis
GET countreg
GET getreg
GET get kelurahan

Wilayah SPLP
Wilayah RI SPLP
DBSimulasi Tunggakan - ok
DBSimulasi TKI - ok
DBSimulasi Pegawai - ok
DBSimulasi Pajak - ok
DBSimulasi Kesehatan - ok
Bimtek Tugas
POST Token SPLP Prod
POST Token SPLP Dev

Bimtek SPLP / Wilayah ESB Create / countreg

GET https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/countreg?kode_provinsi=31 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> kode_provinsi	31	kode jabar 32, kode jkt 31

Body Cookies Headers (10) Test Results Status: 200 OK Time: 80 ms Size: 424 B Save as Example

Pretty Raw Preview Visualize XML

```
1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <jumlah>6</jumlah>
4   </Entry>
5 </Entries>
```

Online Find and replace Console Runner Capture requests Cookies Trash



Home Workspaces API Network Explore Search Postman Invite Upgrade

BIMTEK SPLP New Import GET getdis POST addis PUT editdis POST delsid GET limdis GET srch GET countr GET getr GET get kel No Environment Save Send

Bimtek SPLP / Wilayah ESB Create / getreg

GET https://esbgw-splpdev.layanan.go.id/services/t/arn.go.id/dswilayah2/getreg?kabkot=jakarta&limit=2&offset=1

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Key	Value	Description
<input checked="" type="checkbox"/> kabkot	jakarta	
<input checked="" type="checkbox"/> limit	2	
<input checked="" type="checkbox"/> offset	1	

Body Cookies Headers (10) Test Results Status: 200 OK Time: 190 ms Size: 567 B Save as Example

Pretty Raw Preview Visualize XML

```
1 <Entries xmlns="dswilayah2">
2   <Entry>
3     <id>3172</id>
4     <province_id>31</province_id>
5     <name>KOTA JAKARTA TIMUR</name>
6   </Entry>
7   <Entry>
8     <id>3173</id>
9     <province_id>31</province_id>
10    <name>KOTA JAKARTA PUSAT</name>
11  </Entry>
```

Online Find and replace Console Runner Capture requests Cookies Trash



Materi Selanjutnya

ESB - Pembuatan Data Services

- a. **Konfigurasi Carbon Datasources**
- b. **Generate Data Services**
 1. Generate Data Services from Carbon Datasources
 2. Konfigurasi Service Details
 3. Konfigurasi Resources
- c. **Create Data Service**
 1. Konfigurasi Service Details
 2. Konfigurasi Data Sources
 3. Konfigurasi Queries
 4. Konfigurasi Operations (optional)
 5. Konfigurasi Resources
- d. **Membuat API di Portal Penyedia SPLP ✓**

Create > Config > Deploy > Test > Publish > Monitor

