Import Project Interchange

File Edit Navigate Search Project Run Window Help

Quick Access

Integration Development

Application Development ✕   **Patterns Explorer** ✕

Application Development   New...

New Application...

New Integration Service...

New REST API...

New Library...

New Policy project...

Import

Select

Import a project and its dependent projects from a Zip file.

Select an import source:

type filter text

> 📁 EJB
> 📁 IBM Integration
    🔧 Project Interchange
> 📁 Install
> 📁 Java EE
> 📁 Maven
> 📁 Modeling
> 📁 Plug-in Development
> 📁 REST APIs
> 📁 Run/Debug
> 📁 Team
> 📁 Web
> 📁 Web services
> 📁 XML

❓   < Back   Next >   Finish   Cancel

Integration Ex... ✕   **Data Project Ex...**   **Data Source Ex...**

🔧 Integration Servers
🔧 Integration Nodes
    🔧 MyNode
    🔧 TESTNODE

ENG 3:53 PM

File   Edit   Navigate   Search   Project   Run   Window   Help

Quick Access   Integration Development

Application Development

Patterns Explorer

Application Development   New...

New Application...

New Integration Service...

New REST API...

New Library...

New Policy project...

Getting Started - IBM App Connect Enterprise Toolkit

Import Project Interchange Contents

Import Projects

Import Projects from a zip file.

From zip file: C:\Users\WINTONWINTON\Downloads\ace-workshop   Browse...

Project location root: C:\Demo\ace-workshop   Browse...

☑ 📂 berhitung
☑ 📂 calc

Select All   Deselect All   Select Referenced

following tasks.

tures in IBM App Connect

lates a tested approach to
eployment task. More...

rces that are required to

ed interface and structure.

a well-defined interface

rol the behaviour of an

, data, or both. More...

?   < Back   Next >   Finish   Cancel

Integration Ex...   Data Project Ex...   Data Source Ex...

🔧 Integration Servers
🔽 🔧 Integration Nodes
        MyNode
        TESTNODE

29°C Cerah   ENG   3:54 PM

Create Integration Server Local

Download ace-workshop.zip to your local drive.
Open your App Connect Enterprise Toolkit. Right click on the left pane, select "Import", then "Project Interchange File".
Browse to the saved zip file and import.

All   Apps   Documents   Web   More ▾

Best match

IBM **App** Co**n**nect Enterprise
Toolkit 11.0.0.10
App

Apps

IBM **App** Co**n**nect Enterprise Console
11.0.0.10   >

IBM **App** Co**n**nect Enterprise Console
12.0.1.0   >

IBM **App** Co**n**nect Enterprise Toolkit
12.0.1.0   >

Search the web

🔍 **app co** - See web results   >

Documents - This PC (12+)

Folders (2+)

IBM App Connect Enterprise Toolkit 11.0.0.10
App

⬈ Open

◻ Run as administrator

🗋 Open file location

📌 Pin to Start

📌 Pin to taskbar

🗑 Uninstall

Contact GitHub   Pricing   API   Training   Blog   About

🔍 app co

```
IBM App Connect Enterprise Console 11.0.0.10                                    —    □    ✕

Welcome to:

/\\\\\\\\\\\\\\__/\\\\\\\\\\\\\\\__/\\\\\\\\\\\\_____/\\_____/\\\
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     \/\\_____\/\\\_\/\\_____/\\\__\/\\_____\/\\_____\/\\\
      \/\\_____\/\\\_\/\\\\\\\\\\\\\\__\/\\\\\\\\\\\\_____\/\\_____\/\\\
       \///_____\///__\///////////////__\///////////////_____\///_____\///



Enter an App Connect Enterprise command e.g.
ACE toolkit, ACE help

C:\Program Files\IBM\ACE\11.0.0.10>_
```

Run these commands

- mqsicreatebroker TESTNODE

- mqsistart TESTNODE

- mqsicreateexecutiongroup TESTNODE -e server

Create new web service

Create new web service

- On ACE Toolkit, right click on "Application Development", select "New" --> "Start by creating integration service"
- Define the operations, input and ouput
- Modify the Message Flow by going to, Project Name --> Resources --> Message Flow
- Add Mapping, by dragging Mapping node from Transformation on the pallete
- Select input and output schema, and output XMLNSC
- Drag input fields to output field, drag second input field to the task. Modify task into Math Operations --> fn:sum

File   Edit   Navigate   Search   Project   Run   Window   Help

Quick Access

Integration Development

Application De...   Patterns Explor...   postJumlah.subflow   calc   postTambah.subflow   berhitung

Application Development   New...

▸ **Header**

New Artifact

📄 Message Flow

📄 Subflow

📄 Message Model ...

📄 Message Map

📄 ESQL File

📄 Policy

📄 MQ Service

📄 Database Service

Quick Start

📖 Start by exploring tutorials

📄 Start from patterns

📄 Start by creating an application

📄 Start by creating a REST API

📄 Start by creating an integration service

📄 Start by creating a Policy project

📄 Start by creating a library

📄 Start from WSDL and/or XSD files

📄 Start by discovering a service

- berhitung
- calc
  - REST API Description
  - Resources
    - Schema Definitions
    - WSDL Definitions
    - Flows
    - Subflows
    - Maps
      - postJumlah_Mapping.map
      - postTambah_Mapping.map
      - postTambah_Mapping1.map
    - REST API Catalog
    - Other Resources
- BARs
  - berhitungproject.TestMode.bar -> TestMod
- Independent Resources

create a new model>

	Array	Type
	☐	object
	☐	object
	☐	object

...line   Tasks   Deployment Log

Start by creating an integration service

Value

Integra...   Data Pr...   Data So...

- Integration Servers
- Integration Nodes
  - MyNode
  - TESTNODE
    - server
      - berhitung
      - calc
        - REST API Description
        - Resources

calc/REST API Description

29°C Cerah   ENG   4:43 PM

New Message Map

Specify a new message map file

Select map type, container, name, and broker schema for the new map.

Type of map that you want to create:

- ⦿ Simple message map called by a message flow node
- ○ Submap called by another map

Container: | berhitung | ⌄ | New

Map name: | tambah_Request_Response_Mapping1

Map organization

☐ Use default broker schema

Schema: | gen | ⌄

?   < Back   Next >   **Finish**   Cancel

New Message Map

Select map inputs and outputs

Creates a map that can contain message inputs and outputs with the Properties folder. Optionally, database operations, message headers, and LocalEnvironment can be added to the map after creation.

Filter map input names (? = any character, * = any String):

Filter map output names (? = any character, * = any String):

Select map inputs

- ∨ 📂 DFDL and XML Schemas
  - ☐ Body {http://schemas.xmlsoap.org/soap/envelope/}
  - ☐ Envelope {http://schemas.xmlsoap.org/soap/envelop
  - ☐ Fault {http://schemas.xmlsoap.org/soap/envelope/}
  - ☐ Header {http://schemas.xmlsoap.org/soap/envelope,
  - ☑ tambah {http://berhitung}
  - ☐ tambahResponse {http://berhitung}

Select map outputs

- ∨ 📂 DFDL and XML Schemas
  - ☐ Body {http://schemas.xmlsoap.org/soap/envelope/}
  - ☐ Envelope {http://schemas.xmlsoap.org/soap/envelop
  - ☐ Fault {http://schemas.xmlsoap.org/soap/envelope/}
  - ☐ Header {http://schemas.xmlsoap.org/soap/envelope,
  - ☐ tambah {http://berhitung}
  - ☑ tambahResponse {http://berhitung}

Physical Location:

Application: 🅂 berhitung

Path: 📂 berhitung_InlineSchema1.xsd

Namespace: 🕸 {http://berhitung}

< Back   Next >   Finish   Cancel

New Message Map

Select the domain to create the output

Set the output domain of main map called by a message flow node

Output domain: XMLNSC

< Back   Next >   Finish   Cancel

Create new rest api

Create new REST API

- On ACE Toolkit, right click on "Application Development", select "New" --> "Start by creating a REST API"
- Define the REST API Description, with operations, input and output
- Add new "Model" for input and for output (2 models)
- Add new operation in the "Resources", with method POST / GET
- Add the subflow by clicking create subflow on right part the operations name
- Add Mapping, by dragging Mapping node from Transformation on the pallete
- Select input and output schema, and output JSON
- Drag input fields to output field, drag second input field to the task. Modify task into Math Operations --> fn:sum

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Quick Access

Integration Development

Application De... Patterns Explor... postJumlah.subflow calc postTambah.subflow *berhitung tambah_Request_Response_Mapping

Application Development New...

tambah_Request_Response_Mapping

New Artifact

mbah

Message Flow

opertiesType

Subflow

Anonymous>

Message Model ...

but

Message Map

eger

ESQL File

eger

Policy

MQ Service

Database Service

Quick Start

Start by exploring tutorials

Start from patterns

Start by creating an application

Start by creating a REST API

Start by creating an integration service

Start by creating a Poli... | Start by creating a REST API

Start by creating a library

Start from WSDL and/or XSD files

Start by discovering a service

Message Assembly tambahResponse

<Click to filter...>

Properties [0..1] PropertiesType

tambahResponse [1..1] <Anonymous>

output1 [1..1] output

fn:sum

result [1..1] integer
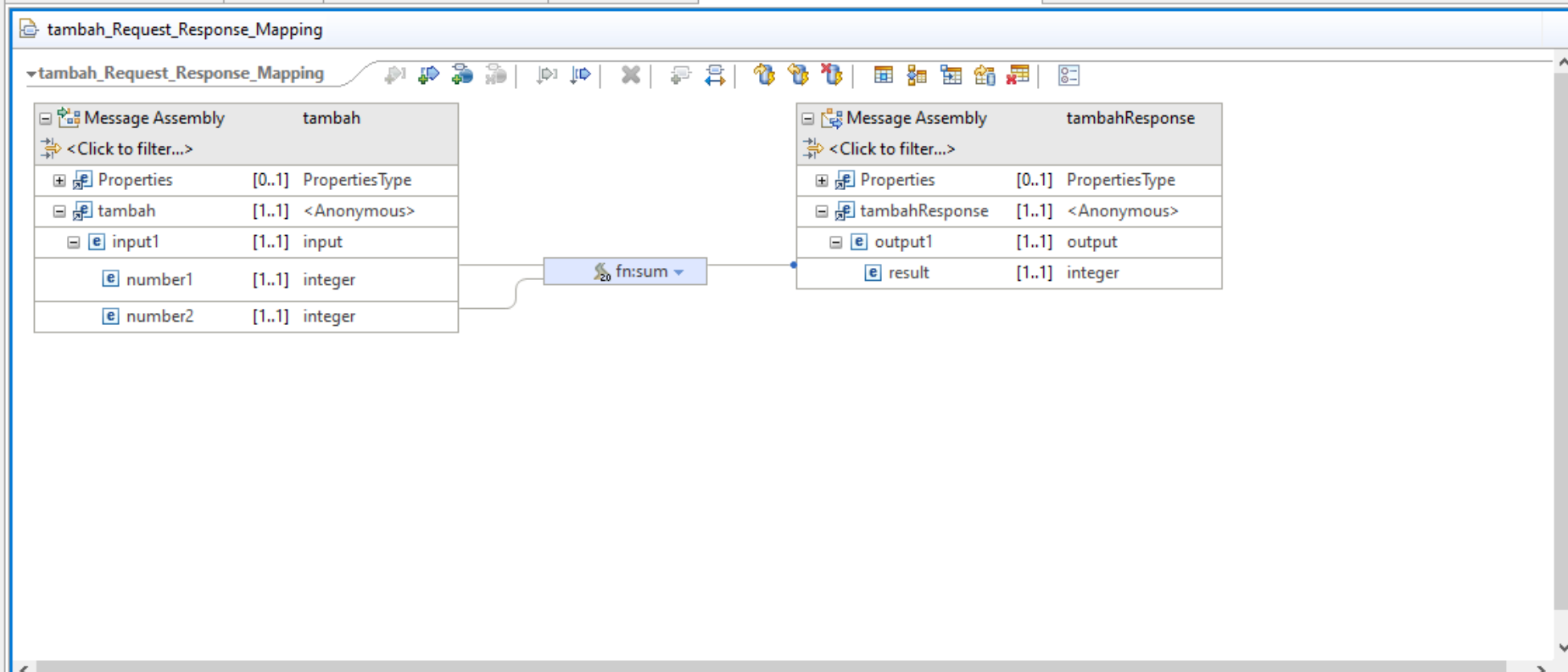
- berhitung
  - Integration Service Description
    - tambah
      - Request_Response
  - Resources
    - Schema Definitions
    - WSDL Definitions
      - http://berhitung
        - berhitung.wsdl
    - Flows
      - gen
        - berhitung.msgflow
    - Subflows
    - Maps
    - Flow Tests
    - Other Resources
- calc
- BARs
  - berhitungproject.TestMode.bar -> TestMod
- Independent Resources

Integra... Data Pr... Data So...

line Tasks Deployment Log

Property	Value
Artifact	
last modified	September 22, 2021 at 1:59:00 PM
name	berhitung
path	/berhitung/gen/berhitung.msgflow
type	Message Flow

- Integration Servers
- Integration Nodes
  - MyNode
  - TESTNODE
    - server
      - berhitung
      - calc
        - REST API Description
        - Resources

berhitung/Resources/Flows/gen/berhitung.msgflow

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File Edit Navigate Search Project Run Window Help

Quick Access | Integration Development

postJumlah.subflow | calc | postTambah.subflow | *berhitung | tambah_Request_Response_Mapping

Application Development   New...

- http://t
  - berh
- Flows
  - gen
    - berh
  - Subflows
  - Maps
  - Flow Tests
  - Other Reso
- calc
  - REST API Descr
  - Resources
    - Schema De
    - WSDL Defir
    - Flows
    - Subflows
    - Maps
      - postJun
      - postTan
      - postTan
    - REST API C
    - Other Reso

› Header

▾ Resources

▾ **/jumlah**

| POST | postJumlah | | | | Insert a jumlah |

Name	Parameter type	Data type	Format	Required	Description

Request body   Schema type   Allow null

| The request body for the operation | numbers ▾ | ☐ |

Response status	Description		Array	Schema type	Allow null
200	The operation was successful.		☐	▾	☐

▸ **/tambah**

Integration Servers
- Integration Nodes
  - MyNode
  - TESTNODE
    - server
      - berhitung
      - calc
        - REST A
        - Resour

Properties | Problems | Outline | Tasks | Deployment Log

Property	Value

File   Edit   Navigate   Search   Project   Run   Window   Help

Quick Access | Integration Development

postJumlah.subflow | calc ✕ | postTambah.subflow | *berhitung | tambah_Request_Response_Mapping

Application   New...
Development

- http://b
  - berl
- Flows
  - gen
    - berl
  - Subflows
  - Maps
  - Flow Tests
  - Other Reso
- calc
  - REST API Descr
  - Resources
    - Schema De
    - WSDL Defir
    - Flows
    - Subflows
    - Maps
      - postJun
      - postTan
      - postTan
    - REST API Ca
    - Other Reso

Insert a jumlah

Open the subflow for the operation

ormat   Required   Description

                    Schema type   Allow null

numbers ▼   ☐

                    Array   Schema type   Allow null

            ☐   ▼   ☐

Integration Servers
Integration Nodes
  MyNode
  TESTNODE
    server
      berhitung
      calc
        REST A
        Resour

Properties ✕   Problems   Outline   Tasks   Deployment Log

Property   Value

File   Edit   Flow   View   Palette   Navigate   Search   Project   Run   Window   Help

Quick Access   Integration Development

postJumlah.subflow   calc   postTambah.subflow   *berhitung   tambah_Request_Response_Mapping

Palette

Flow Exerciser:

Favorites
IBM MQ
MQTT
Kafka
JMS
HTTP
REST
Web Services
WebSphere Adapters
Routing
.NET
Transformation
.NETCompute
Mapping
XSLTransform
Compu...
JavaCo...
Constr...
Callable...

Input   Mapping   Output

Use the Mapping node to transform the incoming message, create new output messages, and interact with information in a database by using a Graphical Data Map.

Graph   User Defined Properties

Application Development   New...

- http://b...
  - berh...
- Flows
  - gen
    - berh...
  - Subflows
  - Maps
  - Flow Tests
  - Other Reso...
- calc
  - REST API Descr...
  - Resources
    - Schema De...
    - WSDL Defir...
    - Flows
    - Subflows
    - Maps
      - postJun...
      - postTan...
      - postTan...
    - REST API C...
    - Other Reso...

- Integration Servers
- Integration Nodes
  - MyNode
  - TESTNODE
    - server
      - berhitung
      - calc
        - REST A...
        - Resour...

Properties   Problems   Outline   Tasks   Deployment Log

Default Values for Message Flow Properties - postJumlah

Description

Monitoring

Version

Short description

Long description

Writable

New Message Map

Specify a new message map file

Select map type, container, name, and broker schema for the new map.

Type of map that you want to create:

- ● Message map with the input and output for REST API operation postJumlah
- ○ Simple message map called by a message flow node
- ○ Submap called by another map

Container: calc   [New]

Map name: postJumlah_Mapping1

Map organization
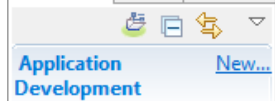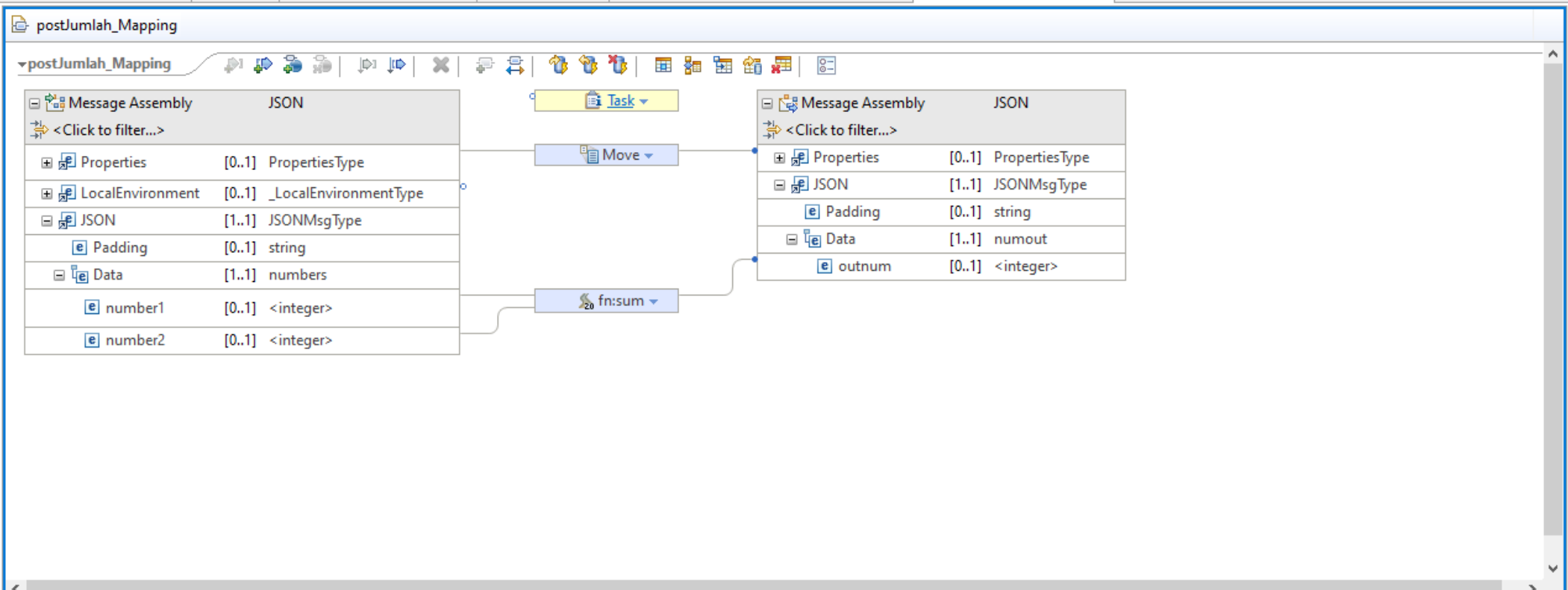
☑ Use default broker schema

Schema: (default broker schema)

[< Back] [Next >] [**Finish**] [Cancel]