# Laboratorio Oracle BPMN

IN79Ñ-1

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# Obejetivo

- Hacer un proceso simplificado de credito y ejecutarlo directamente en el servidor.

# El Proceso

‣ Un proceso de solicitud de crédito comienza cundo el cliente decide pedir un crédito vía web.

‣ El cliente debe llenar los siguientes datos:

  ‣ RUT

  ‣ Nombre Completo

  ‣ Fecha de nacimiento

  ‣ Monto del crédito.

‣ Posteriormente la solicitud de credito debe ser almacenada para que en otro proceso sea revisada.

# Solucion BPMN
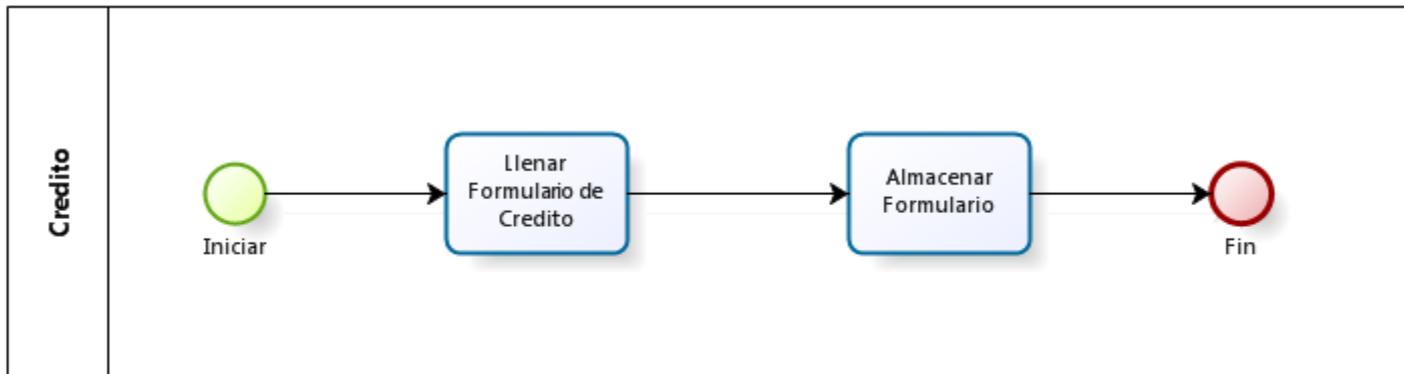
# Proceso en Oracle BPMN

# Requisitos para comenzar

- Jdeveloper
- BPM Extension
- SOA extension

# Pasos Para la Creacion del primer Proyecto

1. Crear Proyecto
2. Crear Proceso
3. Crear Objetos de negocio
4. Crear Fomulario
5. Servicio Para Grabar formulario
6. Definir Roles
7. Desplegar en servidor
8. Test y monitoreo

# 1. Crear Proyecto
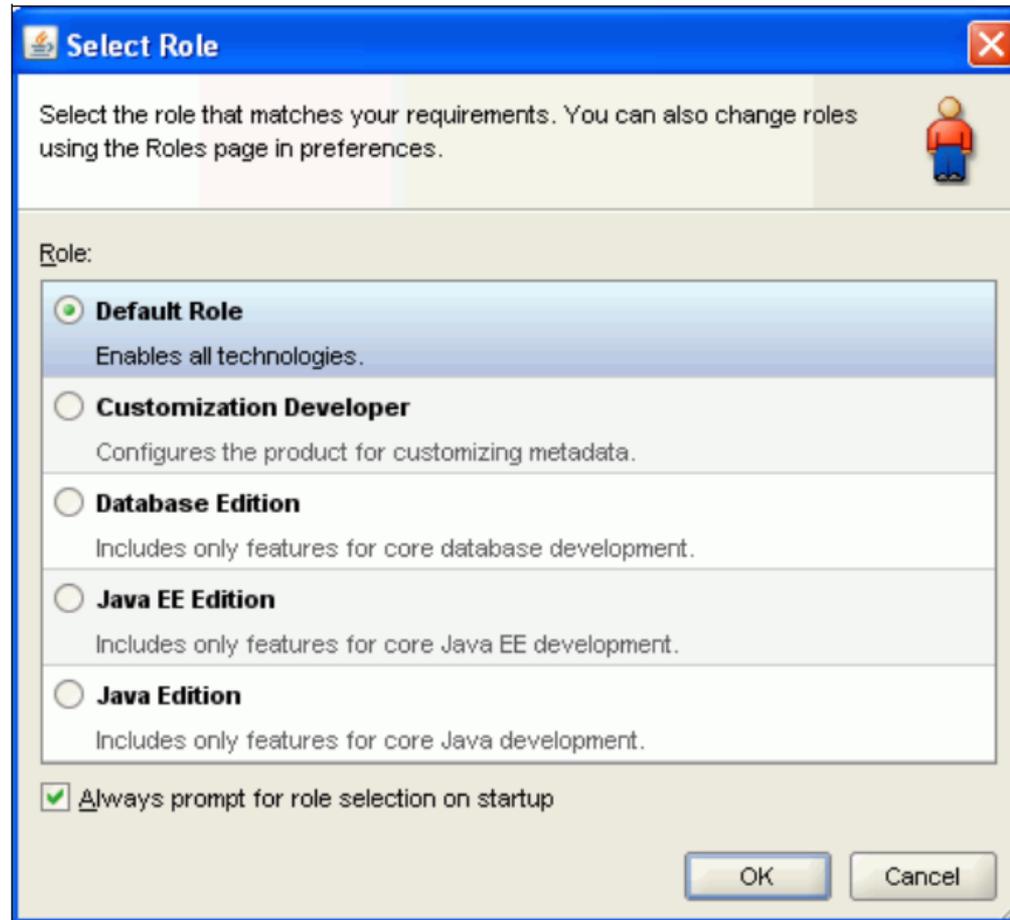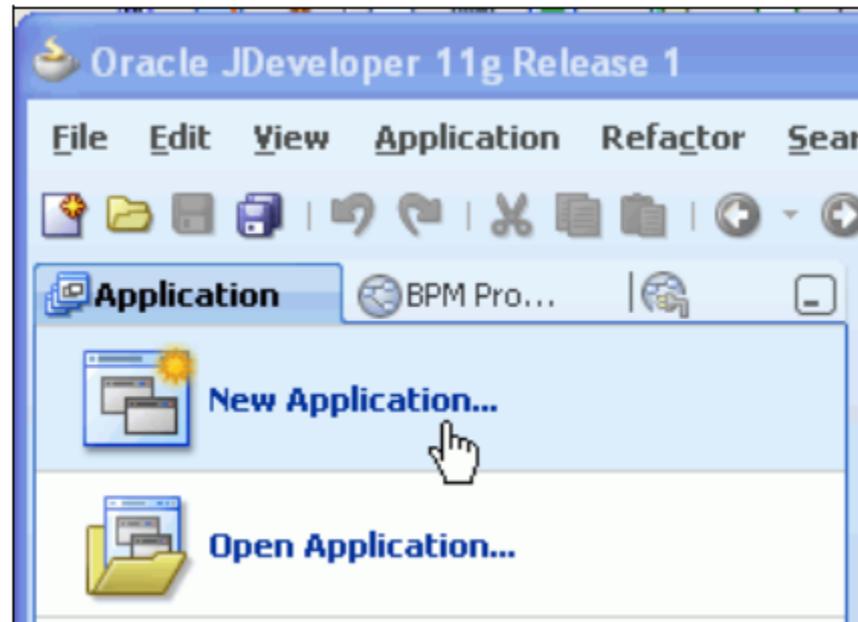
# 1. Crear Proyecto

# 1. Crear Proyecto

▸ Aplication Name: **Credito[nombre]**

▸ Aplication Template: **BPM Aplication**
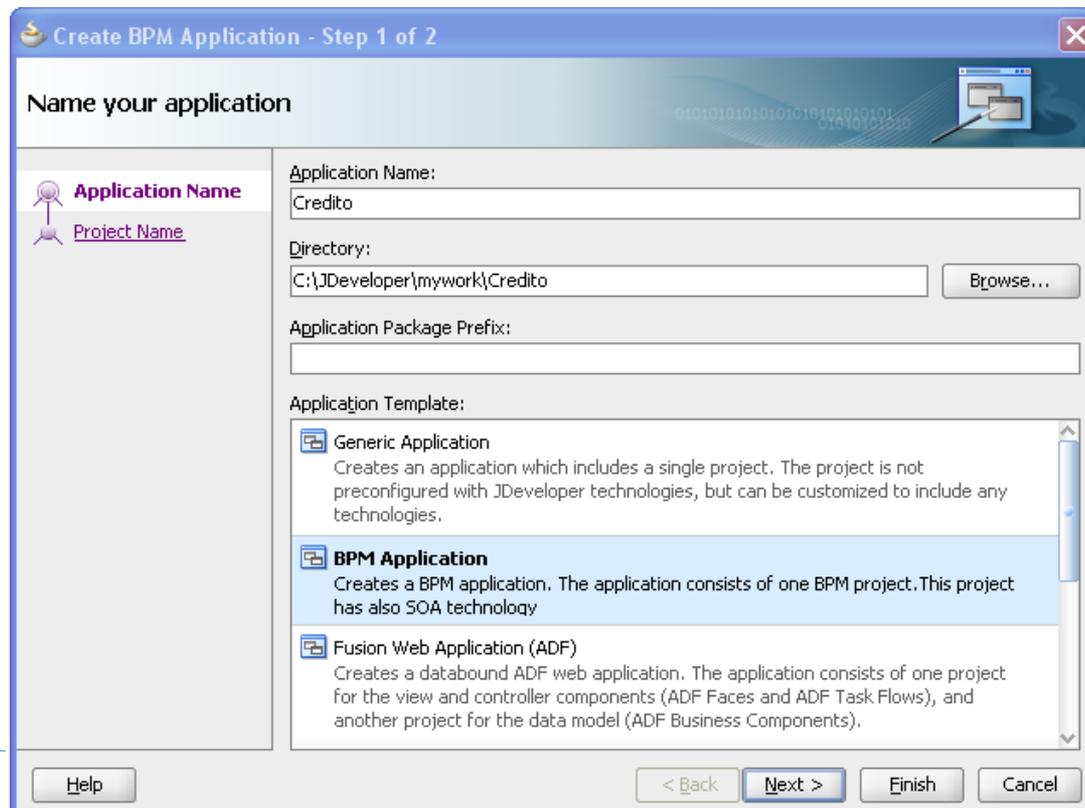
# 1. Crear Proyecto

- Project Name: **CreditoProject**
- Technologies: **BPM** y **SOA**
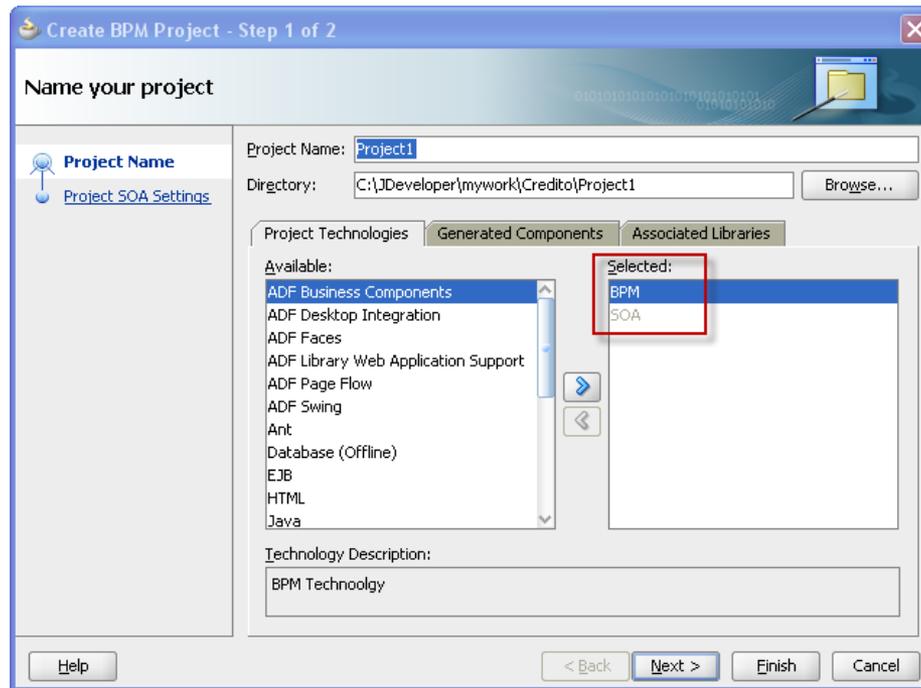
# 2. Crear Proceso
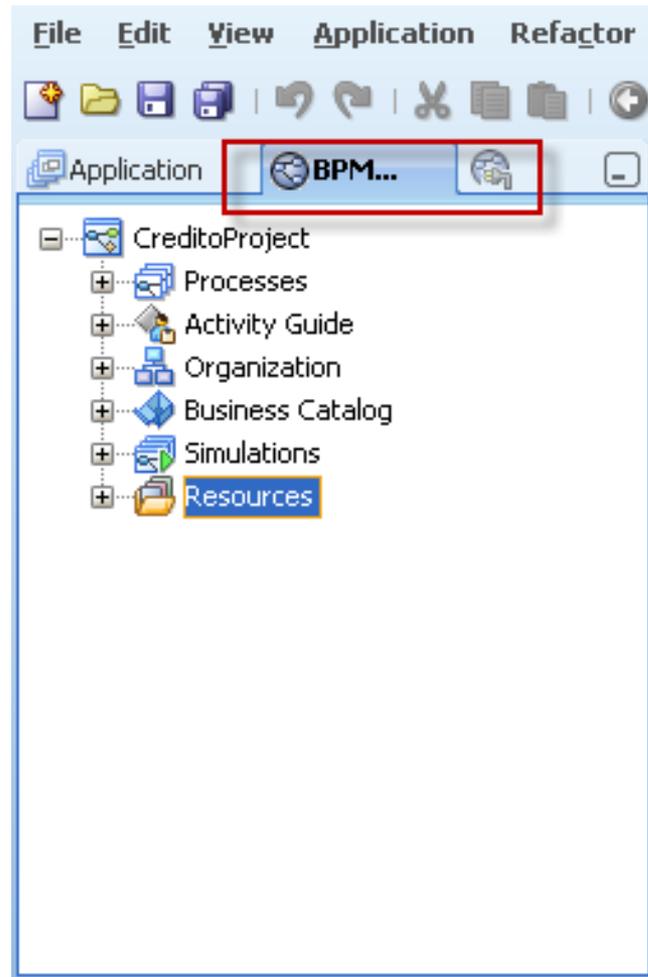
# 2. Crear Proceso
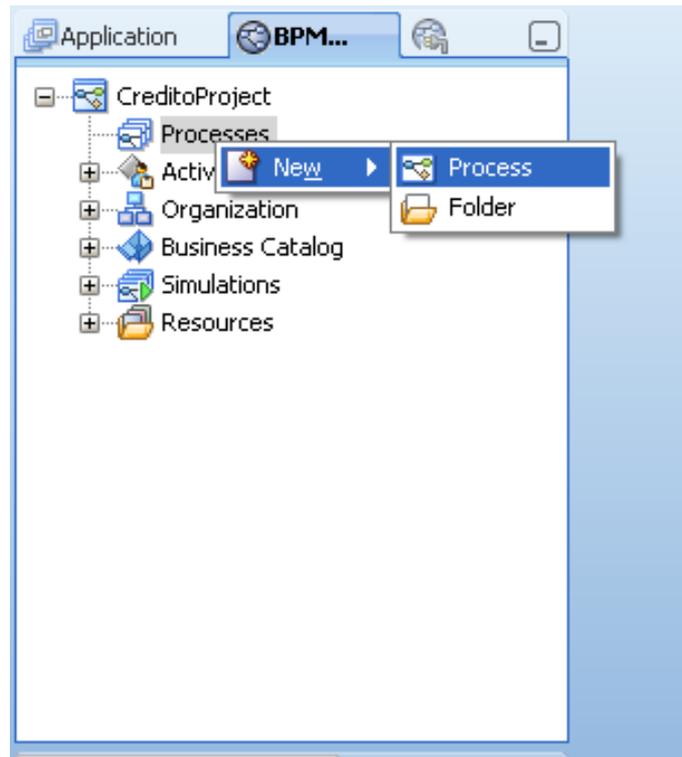
# 2. Crear Proceso

▸ From Patern:

▸ Manual Process
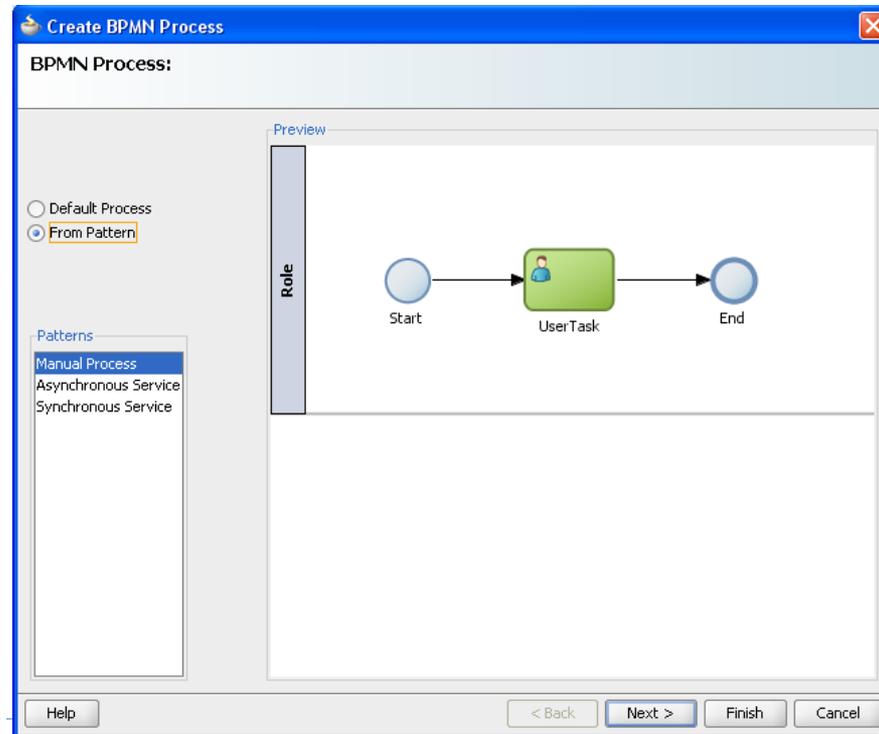
# 2. Crear Proceso

- Name: Credito Process

- Finish
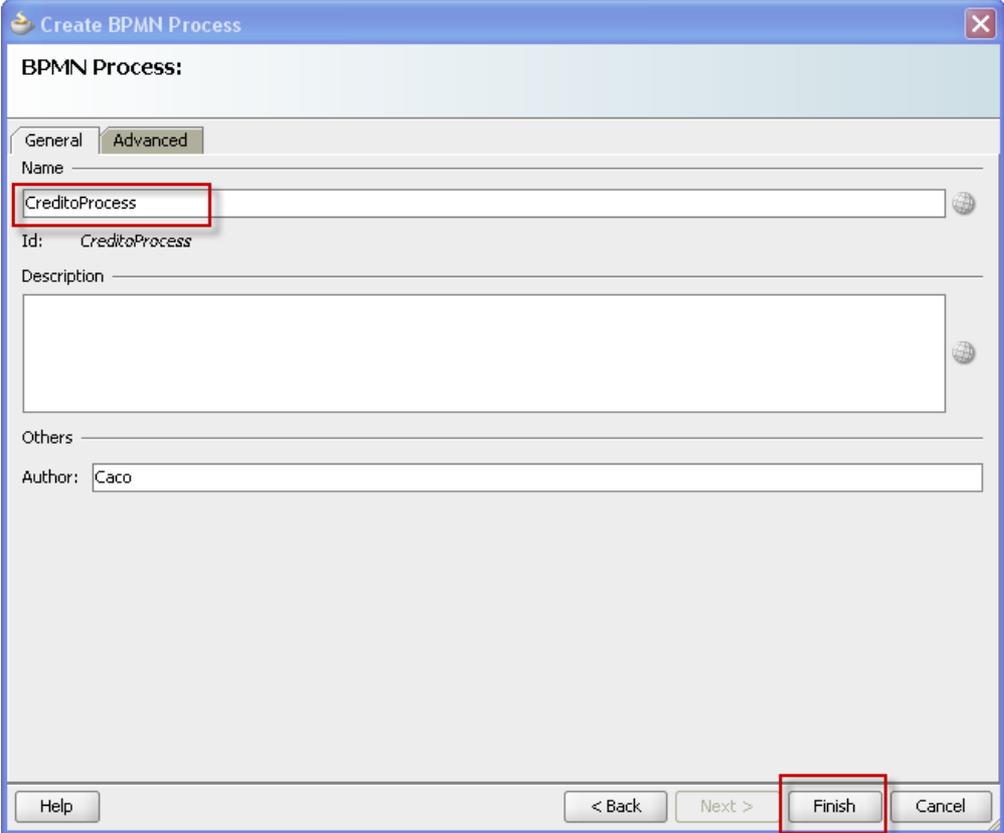
# 2. Crear Proceso

‣ Cambiar Nombre Actividad

‣ Sobre la actividad, boton derecho: **Properties**
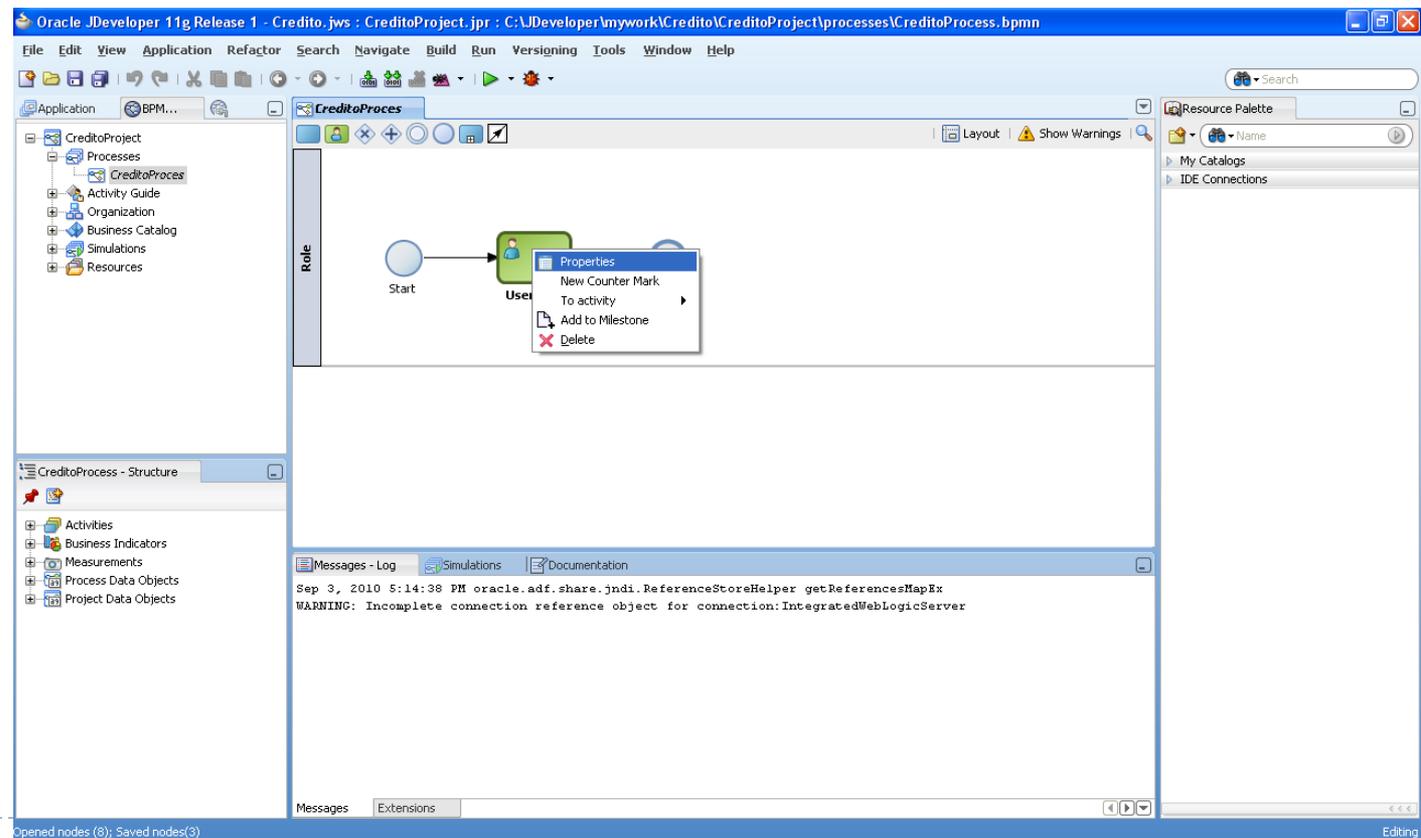
# 2. Crear Proceso

- ▸ Name: LlenarFormulario
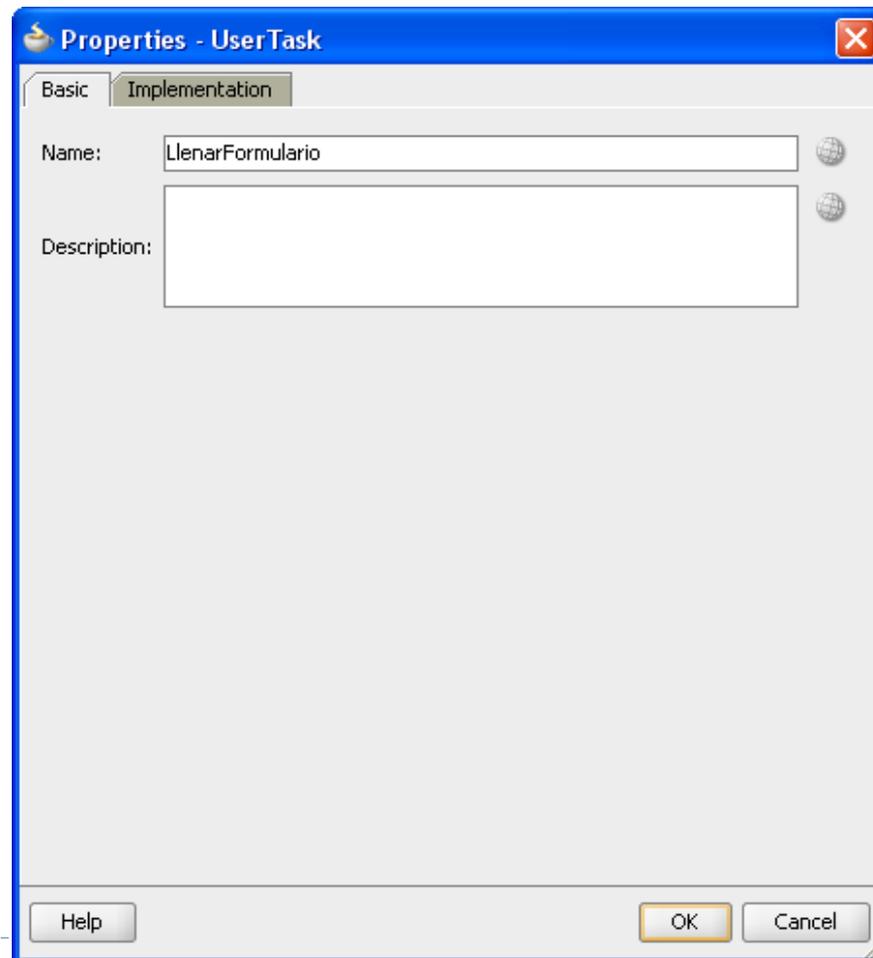
# 2. Crear Proceso

▸ View->Component Palette
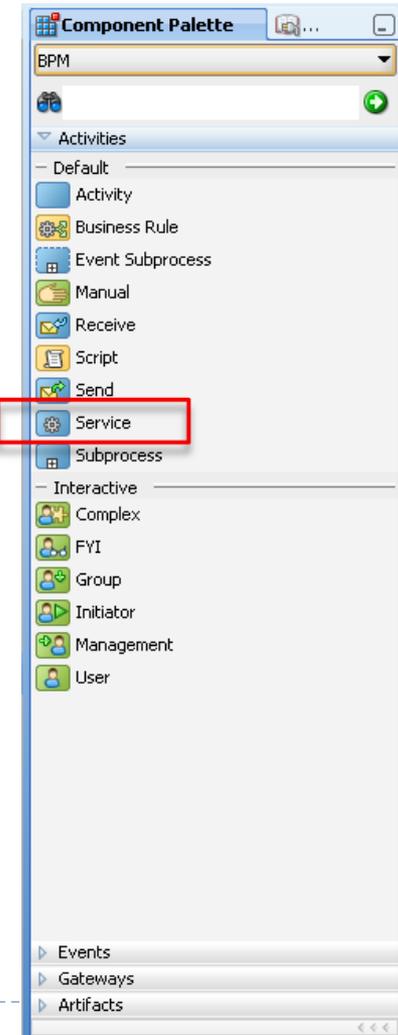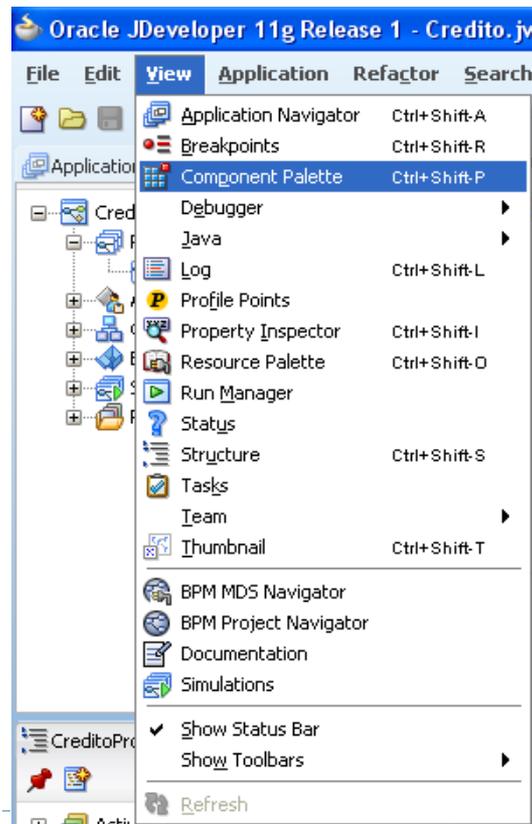
# 2. Crear Proceso
## Agregar Actividad Registro Solicitud
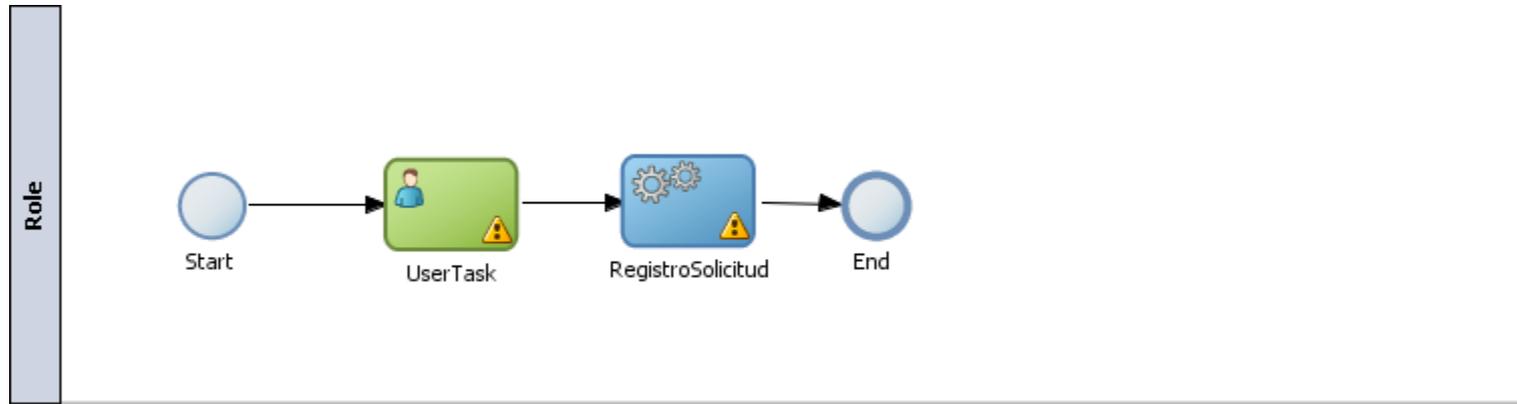
# 2. Crear Proceso
## Agregar Actividad Registro Solicitud

▸ Name: **RegistroSolicitud**

# 2. Crear Proceso

# 3. Crear Objetos De negocio

▸ **Nuevo Modulo**
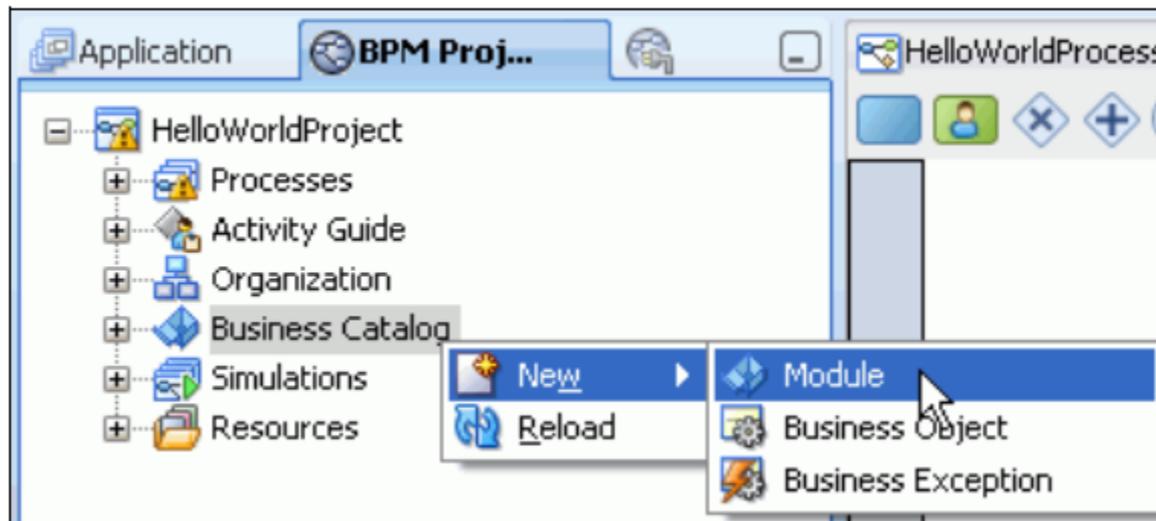
# 3. Crear Objetos De negocio

▸ Module: **CreditoTypes**
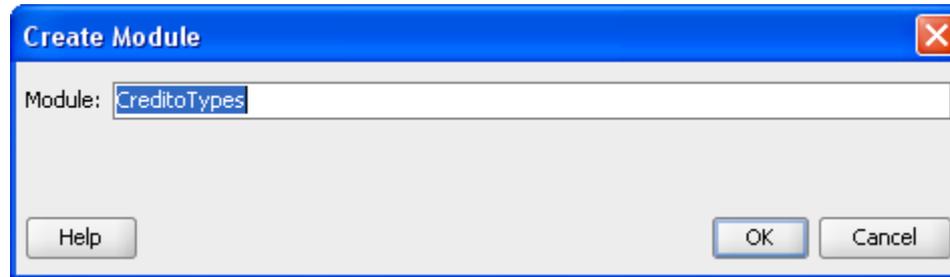
# 3. Crear Objetos De negocio

‣ New Business Object
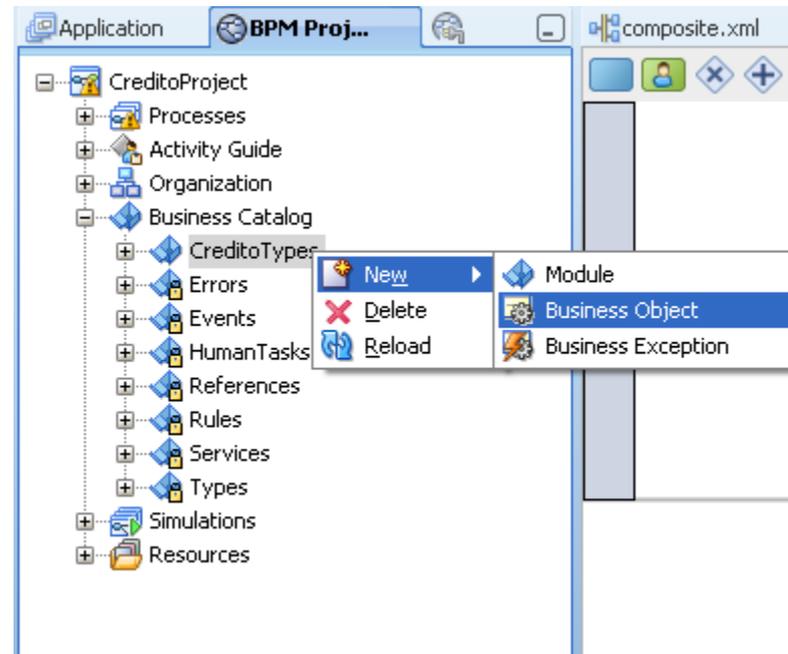
# 3. Crear Objetos De negocio

▸ Name: **CreditoObject**
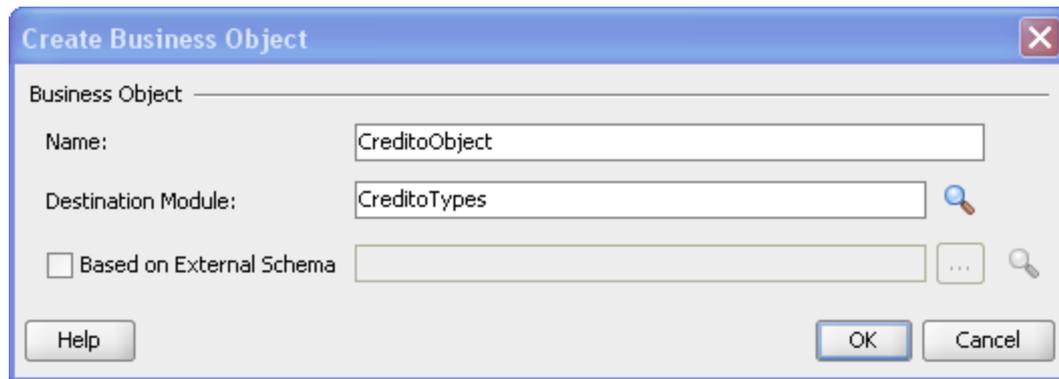
# 3. Crear Objetos De negocio
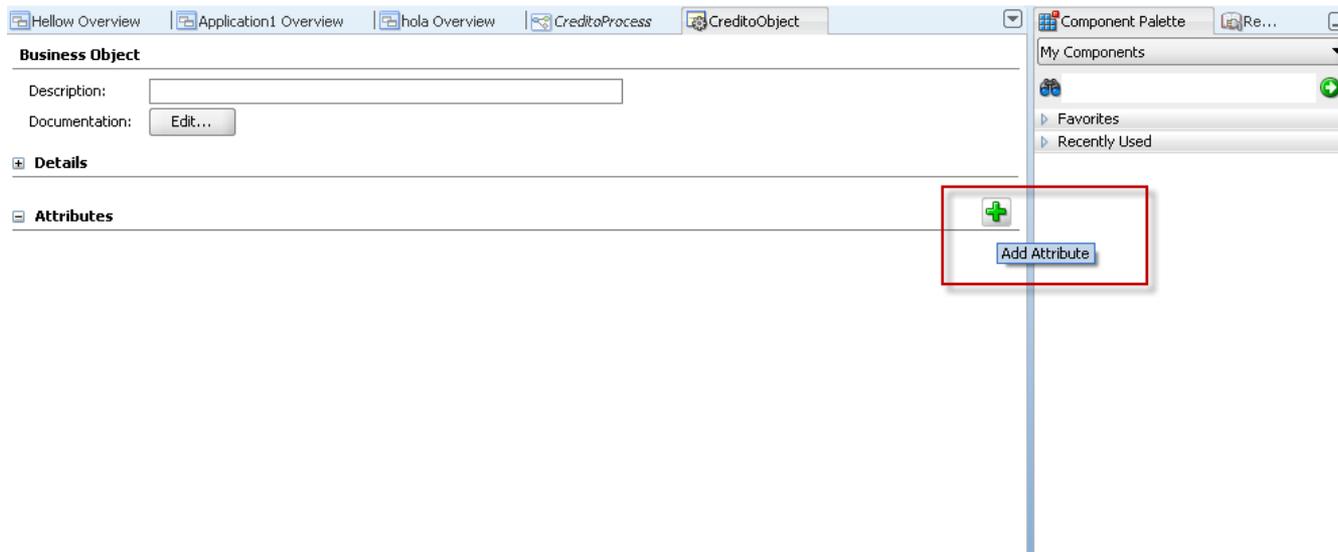
- ▶ Añadir Atributos

# 3. Crear Objetos De negocio

▸ Añadir Atributos:

| Name | Type |
|------|------|
| Nombre | String |
| Rut | String |
| FechaNacimiento | Time |
| Monto | Int |
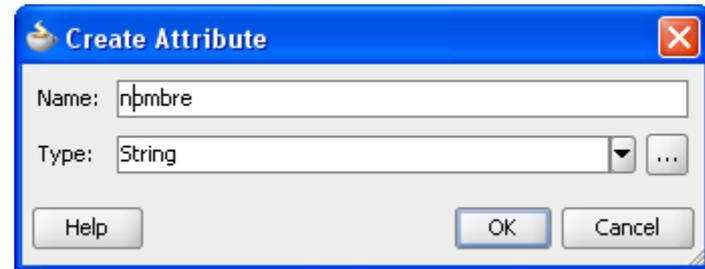
# 3. Crear Objetos De negocio

‣ **En processes**

  ‣ CreditoProcess

  ‣ Ver Structure

‣ **Si no esta se puede añadir esa ventana en**

  ‣ View

  ‣ Structure
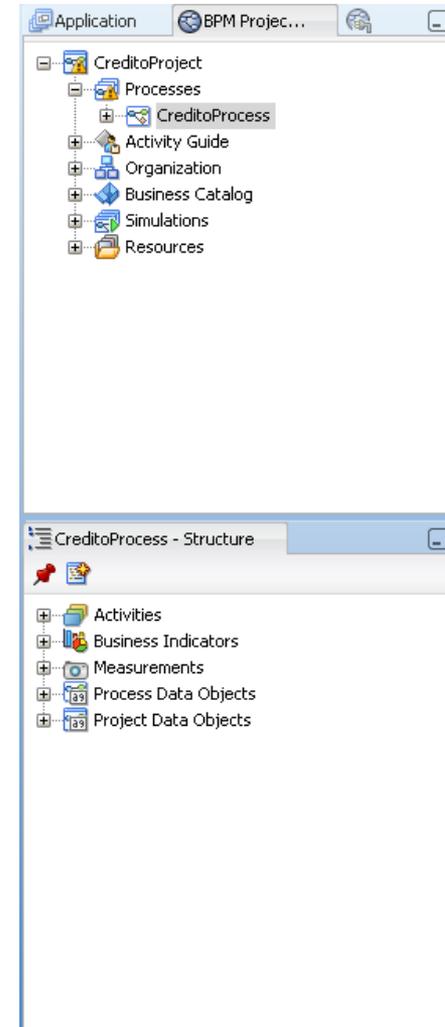
# 3. Crear Objetos De negocio

▸ **En Process Data Object:**

  ▸ **New**
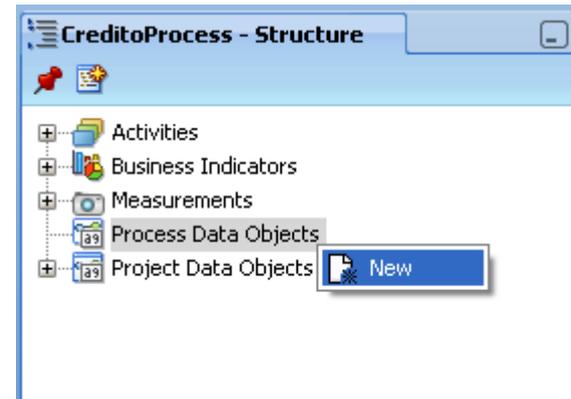
# 3. Crear Objetos De negocio

- Name: **SolicitarCredito**
- Type: **…**
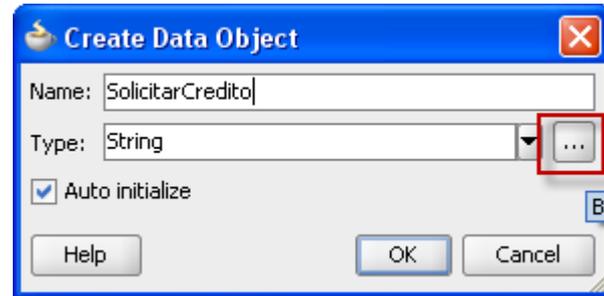


- Browse Types
- Type: **<Component>**
  - **CreditoObject**
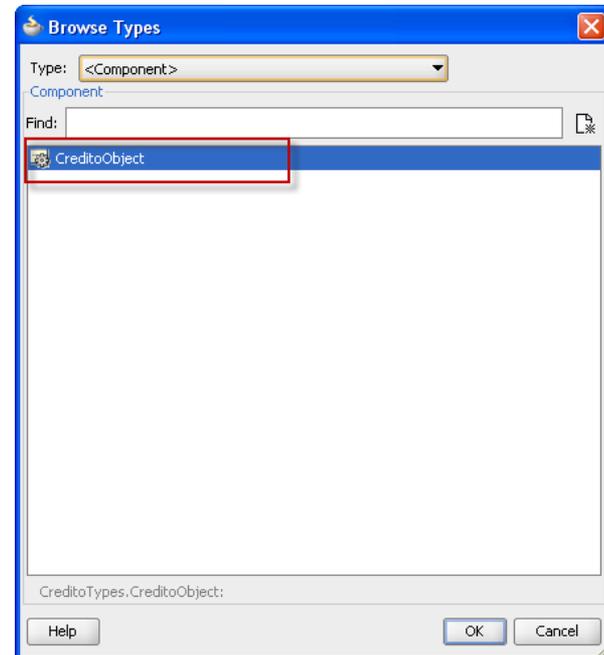
# 3. Crear Objetos De negocio

▸ **El Data Object Solicitar Credito esta creado**
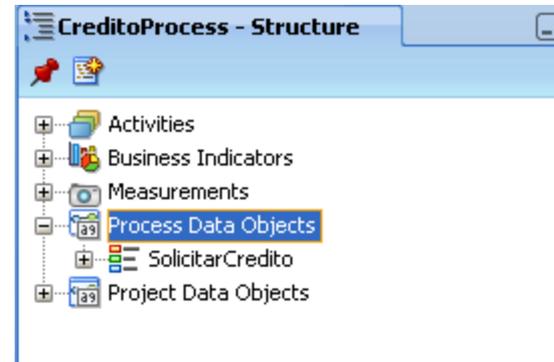
# 4. Crear Fomulario

- Implementacion del Formulaio
- Sobre la actividad, boton derecho: **Properties**
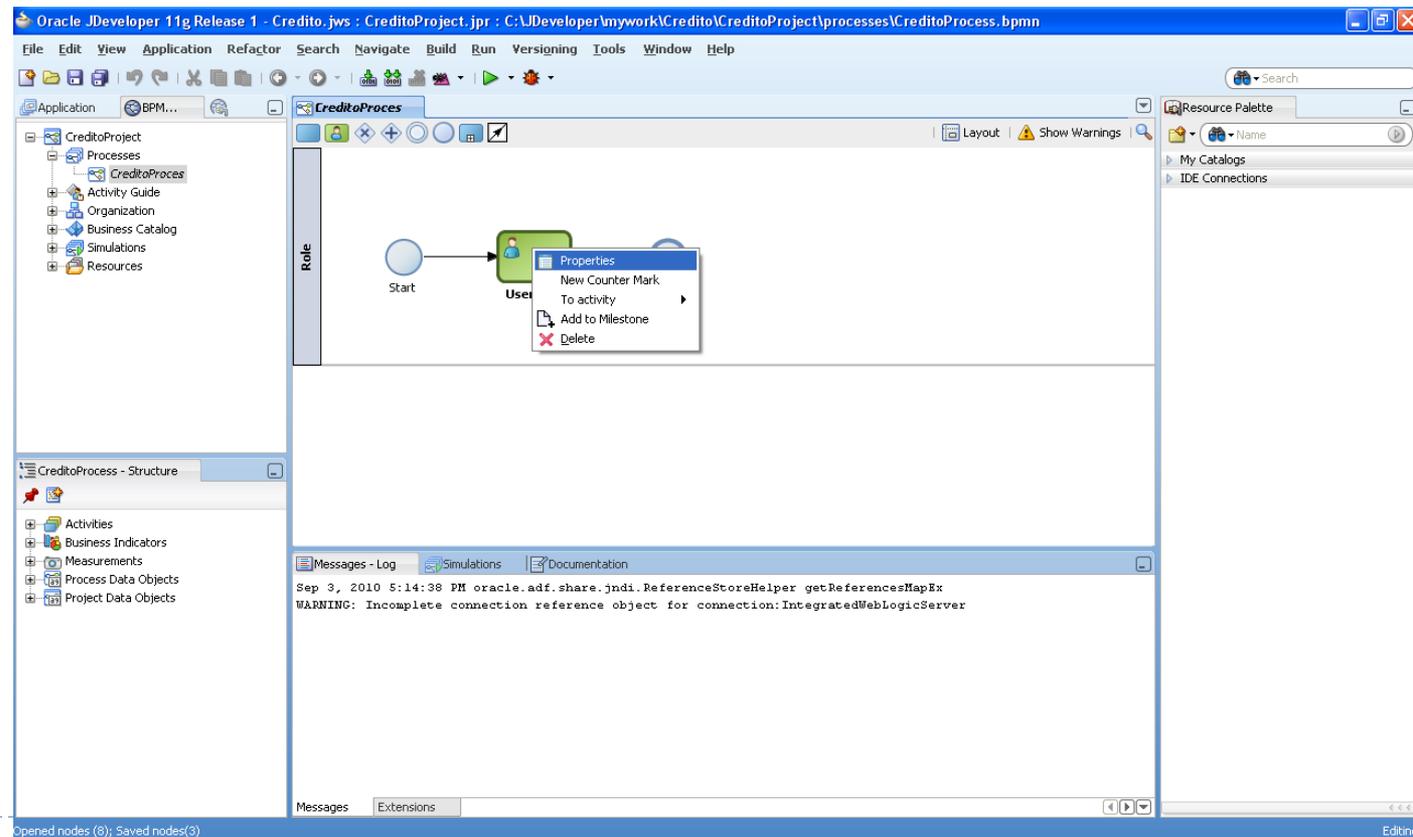
# 4. Crear Fomulario

- ## EN la pestaña IMPLEMENTATION
  - Definir Tarea Humana con +
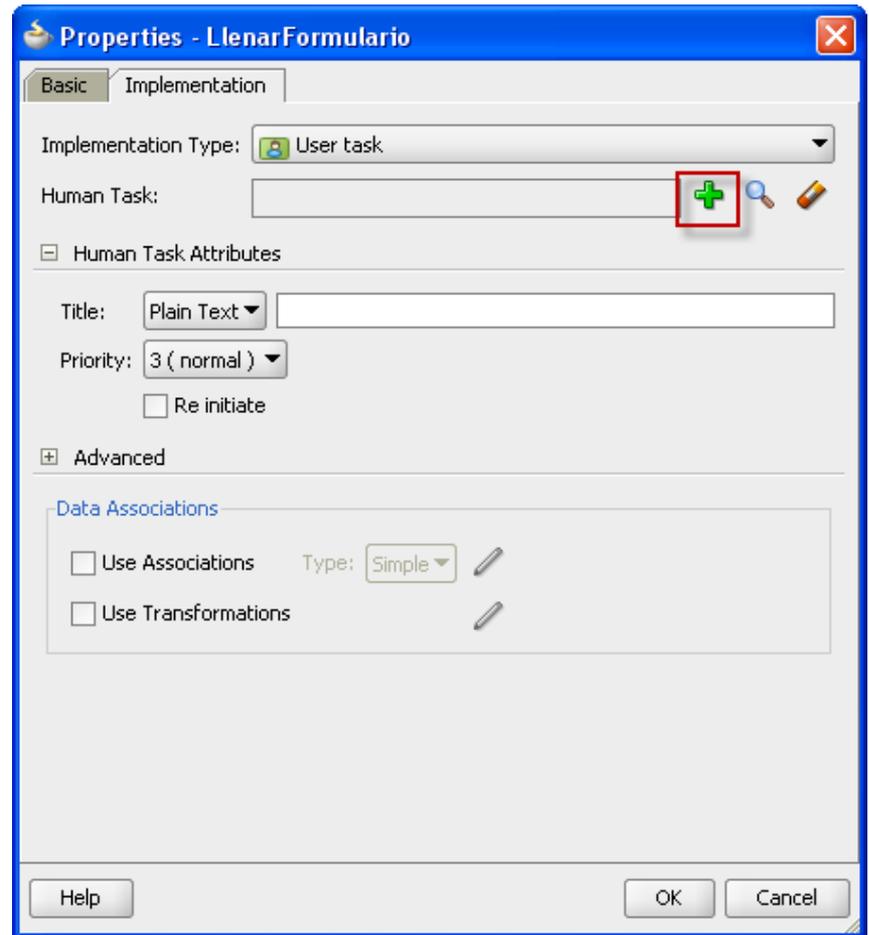
# 4. Fomulario

| Name | EscribirFormulario |
|------|--------------------|
| Pattern | Initiator |
| Title | Llenar formulario solicitud de credito |
| Parameters | + Añadir objetos de negocio |

# 4. Crear Fomulario

- Asociar el objeto de negocio solicitarCredito ya creado Arrastrandolo a los parametros
- Selecionar "Editable"

# 4. Crear Fomulario

▸ Abrir "EscribirFormulario" en Buisness Catalog >  Human Task> EscribirFormulario.task

▸ En create Form > Auto-Generate Task Form
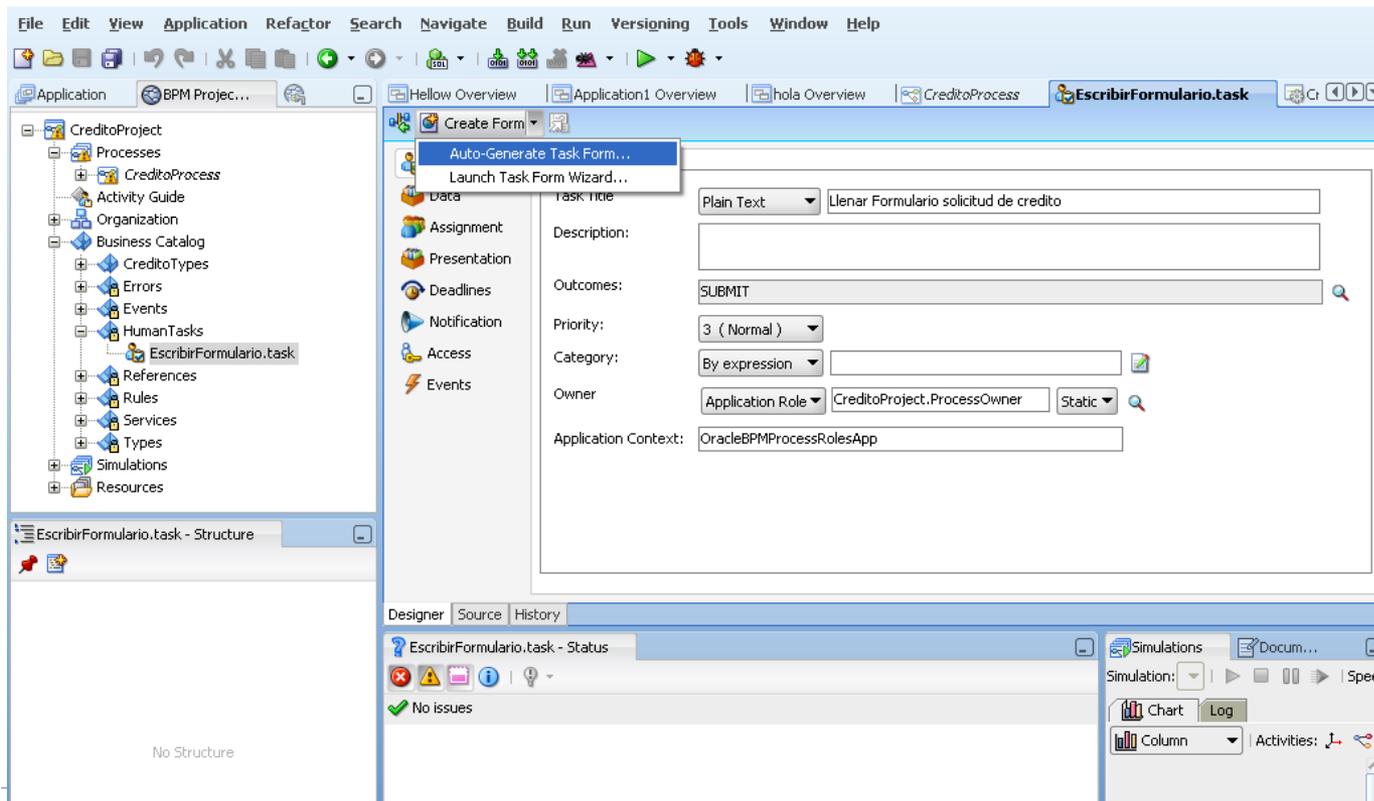
# 4. Crear Fomulario

- ## Project Name:
  - Credito_UI
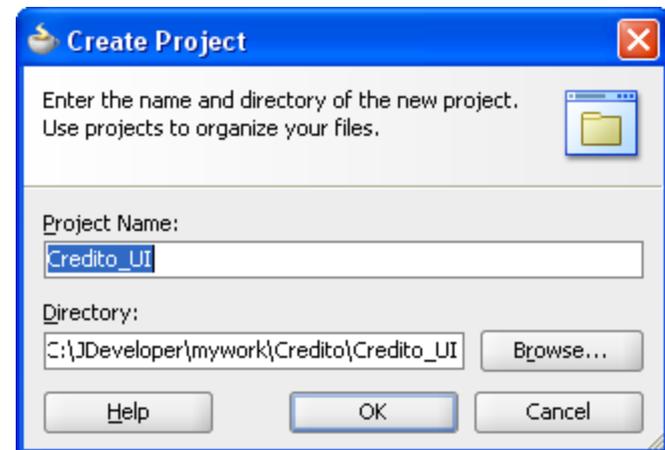
# 4. Crear Fomulario
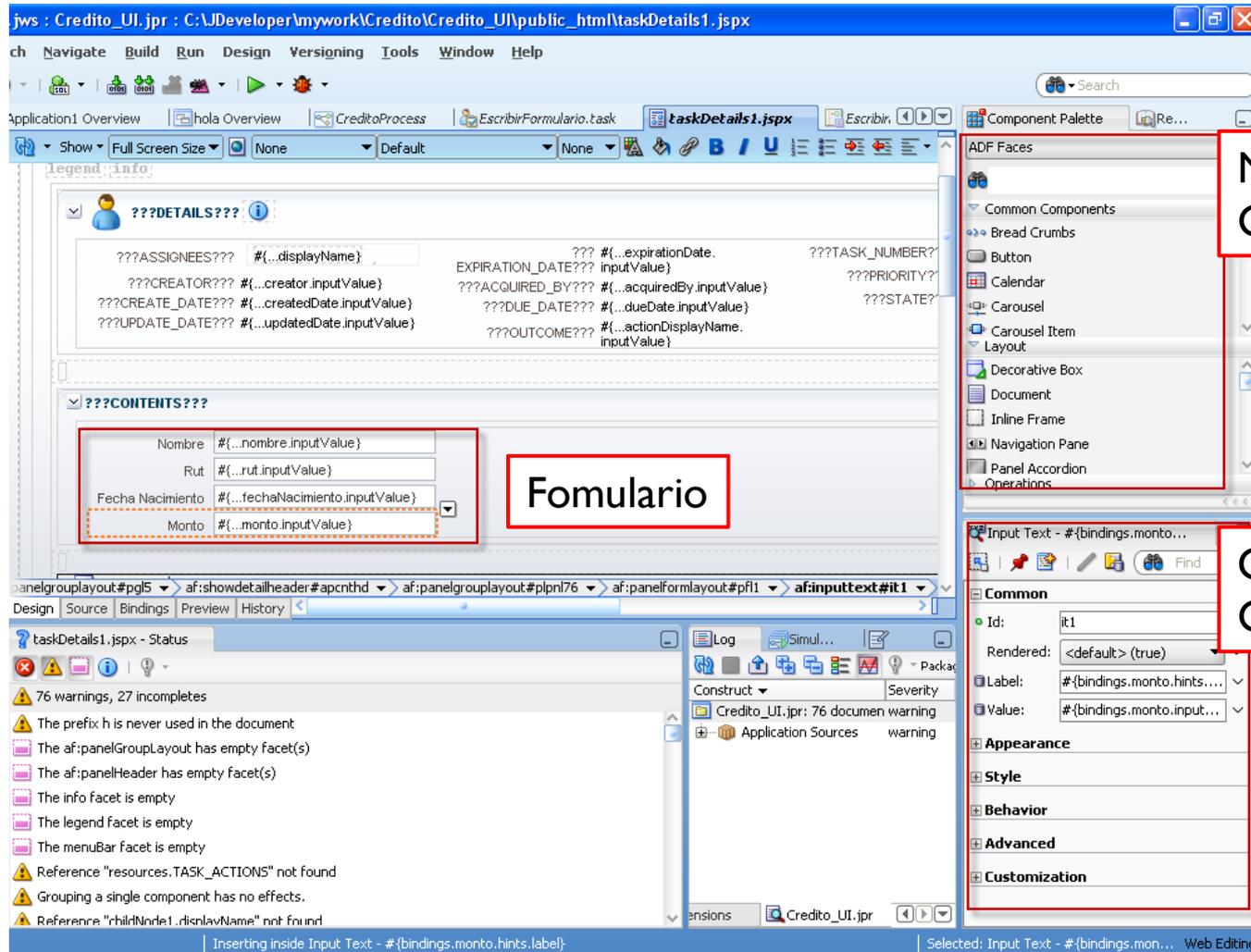
# 5. Servicio Para Grabar formulario

- Ir a  Composite Editor
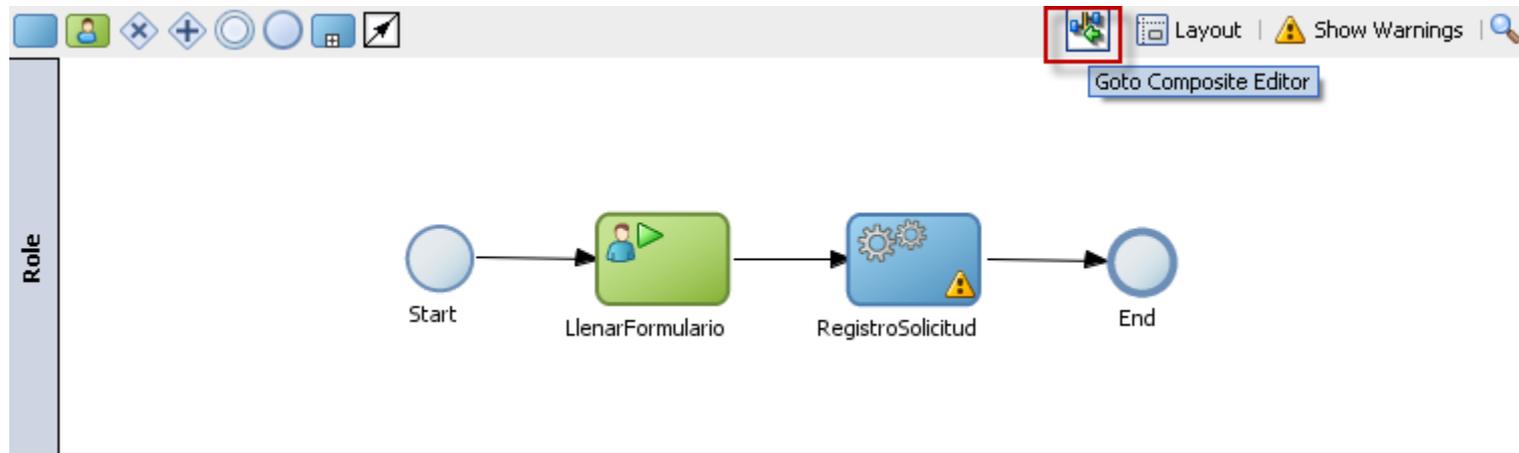
# 5. Servicio Para Grabar formulario

- ▸ Paleta de componentes.
- ▸ Componentes SOA
  - ▸ Elegir File Adapter
- ▸ Drag and Drop a "Extenal References"
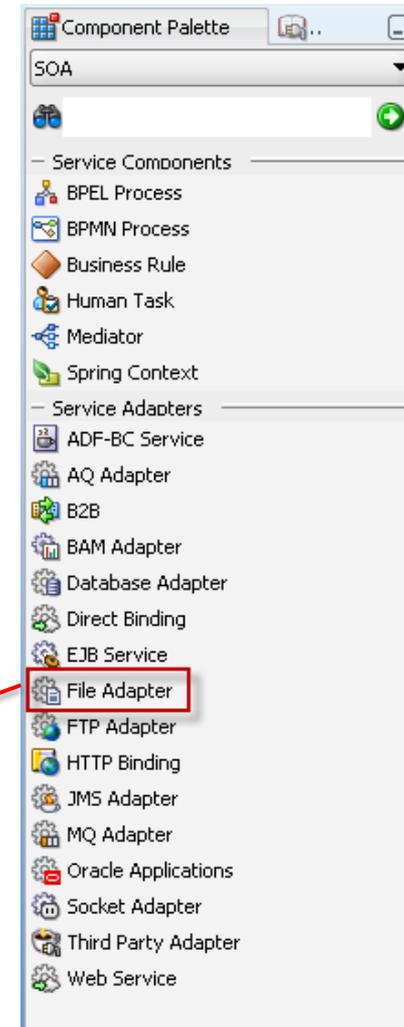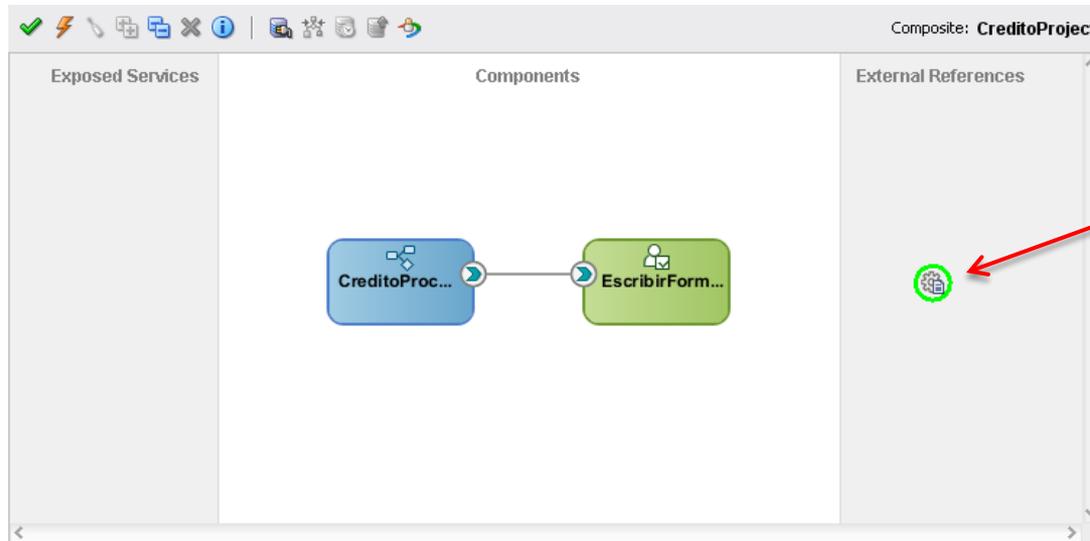
# 5. Servicio Para Grabar formulario

▸ Service Name:

    ▸ GuardadSolicitud

▸ Adapter Interface:

    ▸ Define from operator and schema

▸ Operation Type:

    ▸ Write File

▸ Operation Name:

    ▸ Escribir

# 5. Servicio Para Grabar formulario

▸ Directory Outgoing Files:

   ▸ .

▸ File Naming: Credito_%Seq%.txt
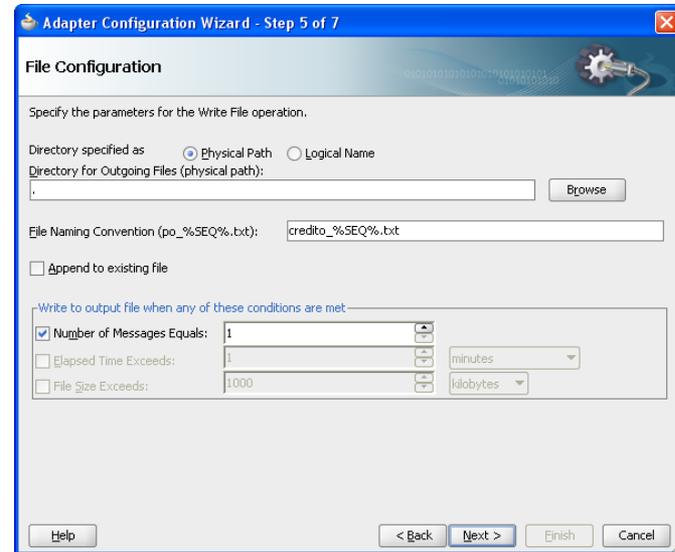
# 5. Servicio Para Grabar formulario

- ## URL
  - Asociar con **CreditoObject**
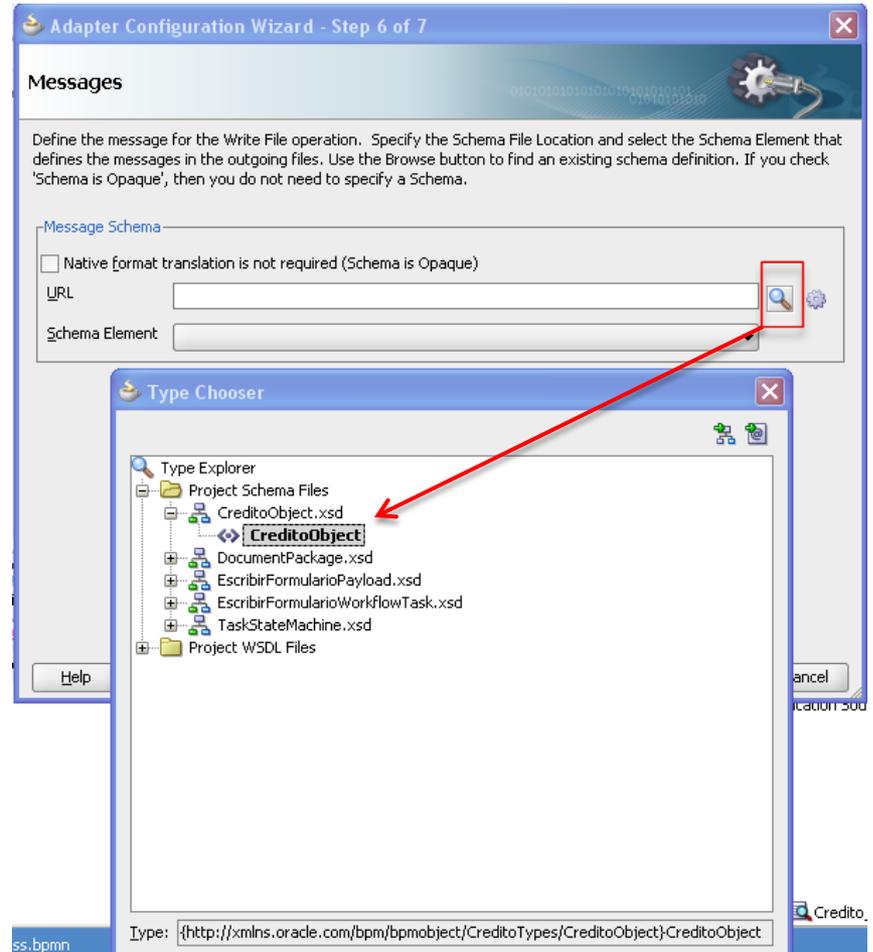
# 5. Servicio Para Grabar formulario

- Asociar Servicio Creado a RegistroSolicitud.
    - Boton derecho en **RegistroSolicitud**
    - **Properties**
- En pestaña implementation
    - Implementation: **Service Call**
    - Name: *Buscar (lupa)*
    - **Guardar Solicitud**
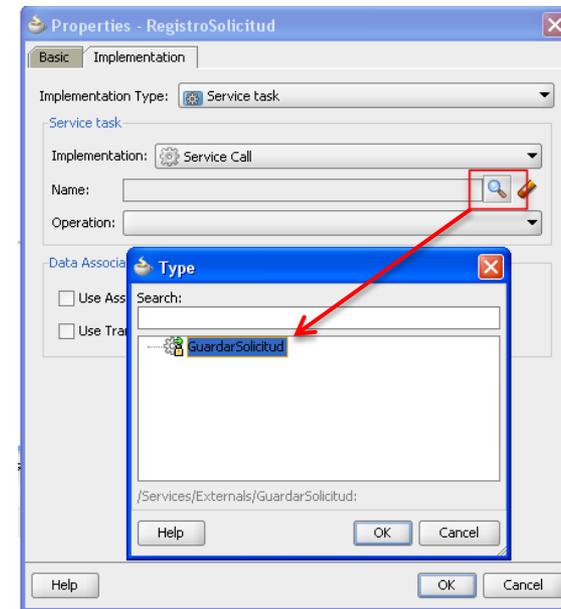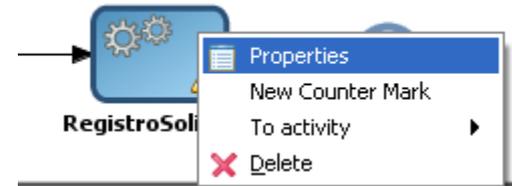
# 5. Servicio Para Grabar formulario

▸ Usar Associations

    ▸ Edit

# 5. Servicio Para Grabar formulario

▸ Arrastrar Solicitar Credito a Inputs
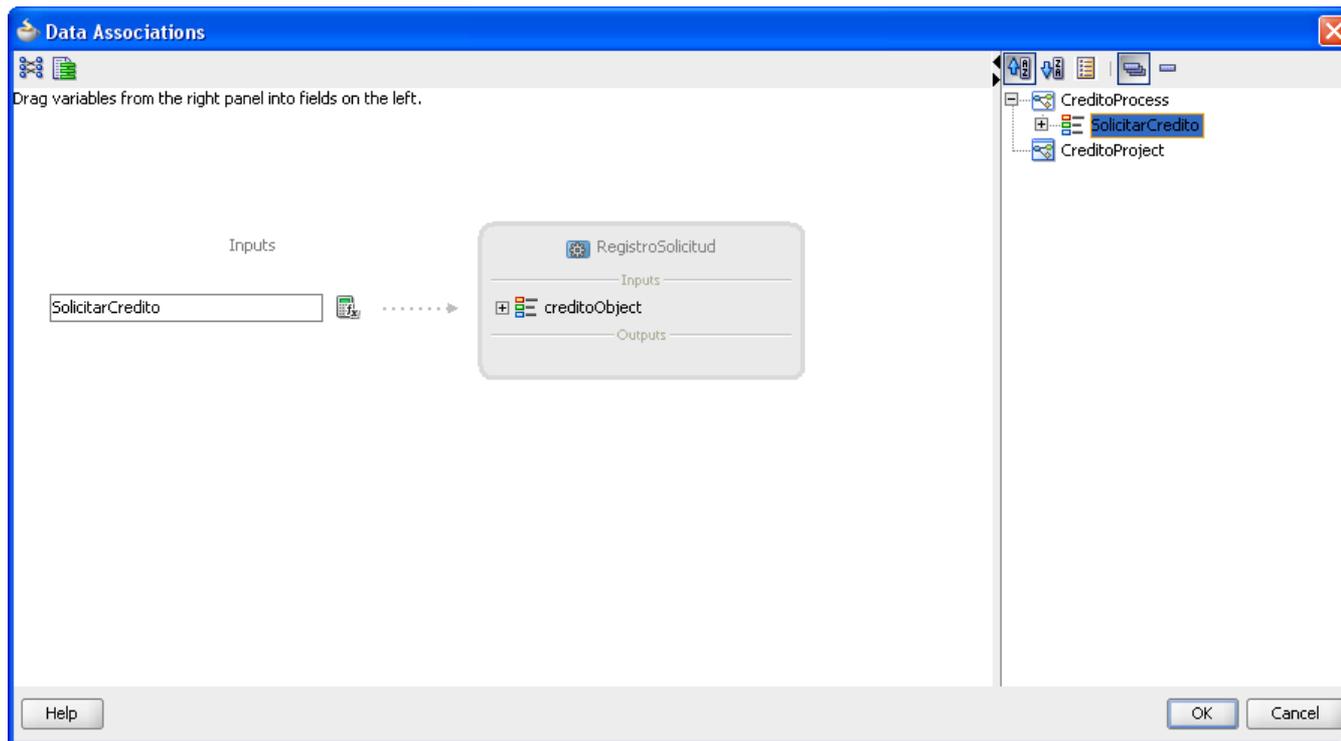
# 6. Definir Roles
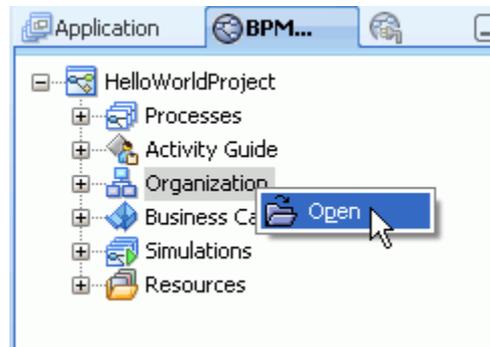
# 6. Definir Roles

- Roles: Añadir (+)
  - Usuario
- Members: Añadir (+)
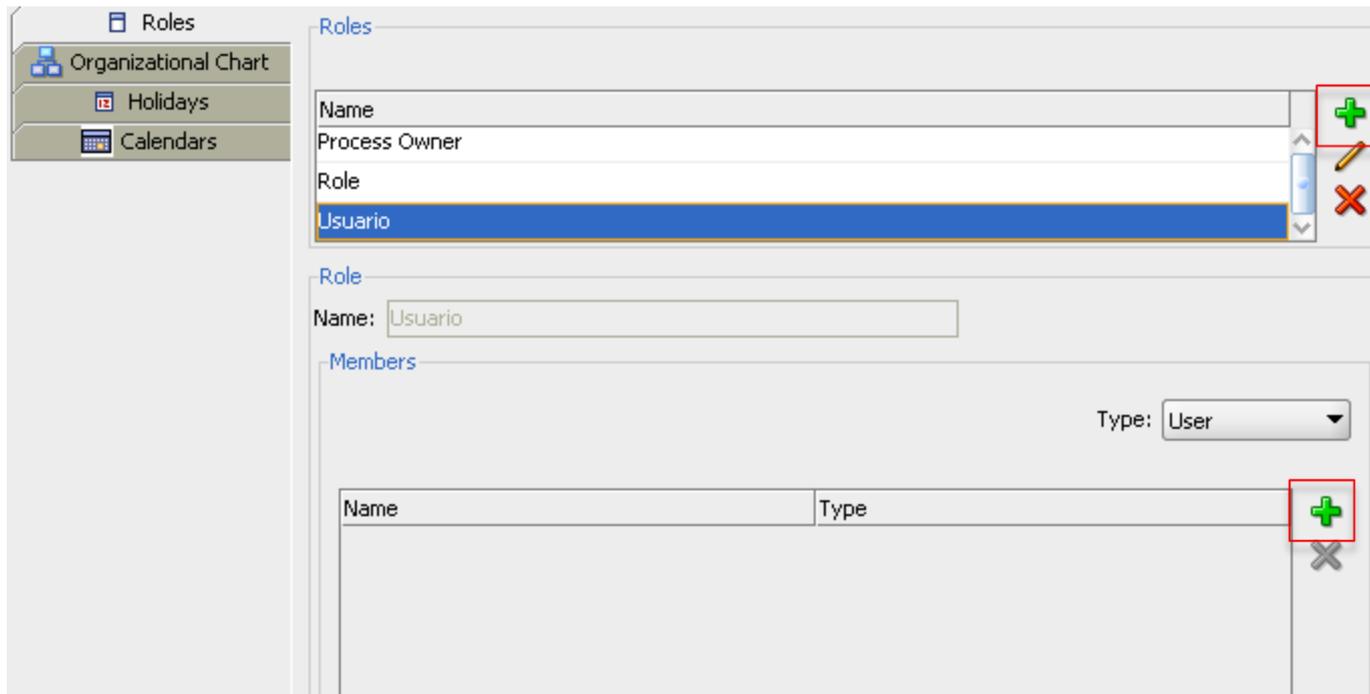
# 6. Definir Roles
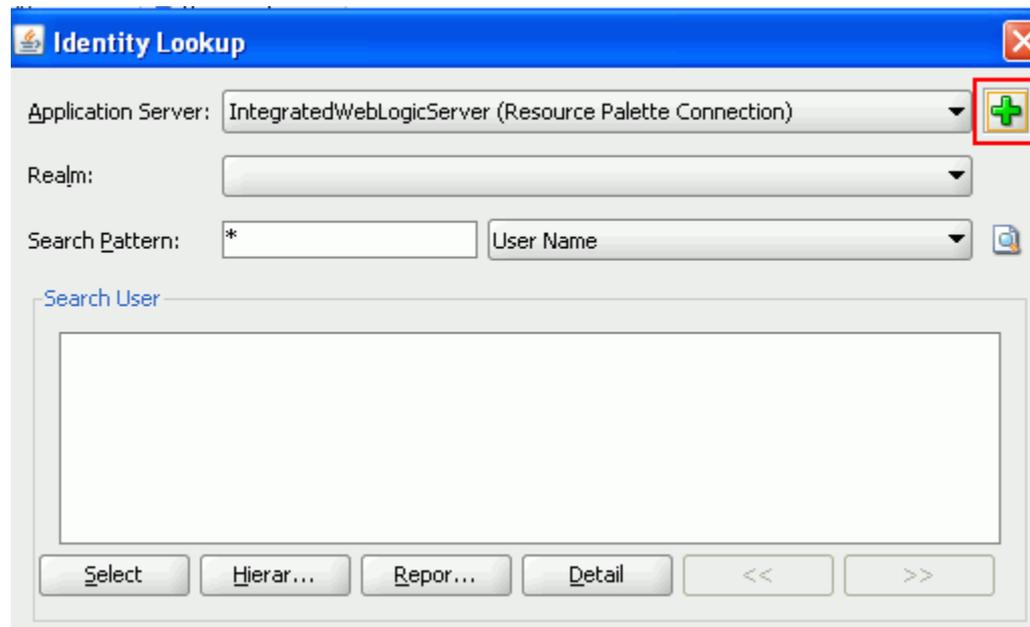
# 6. Definir Roles
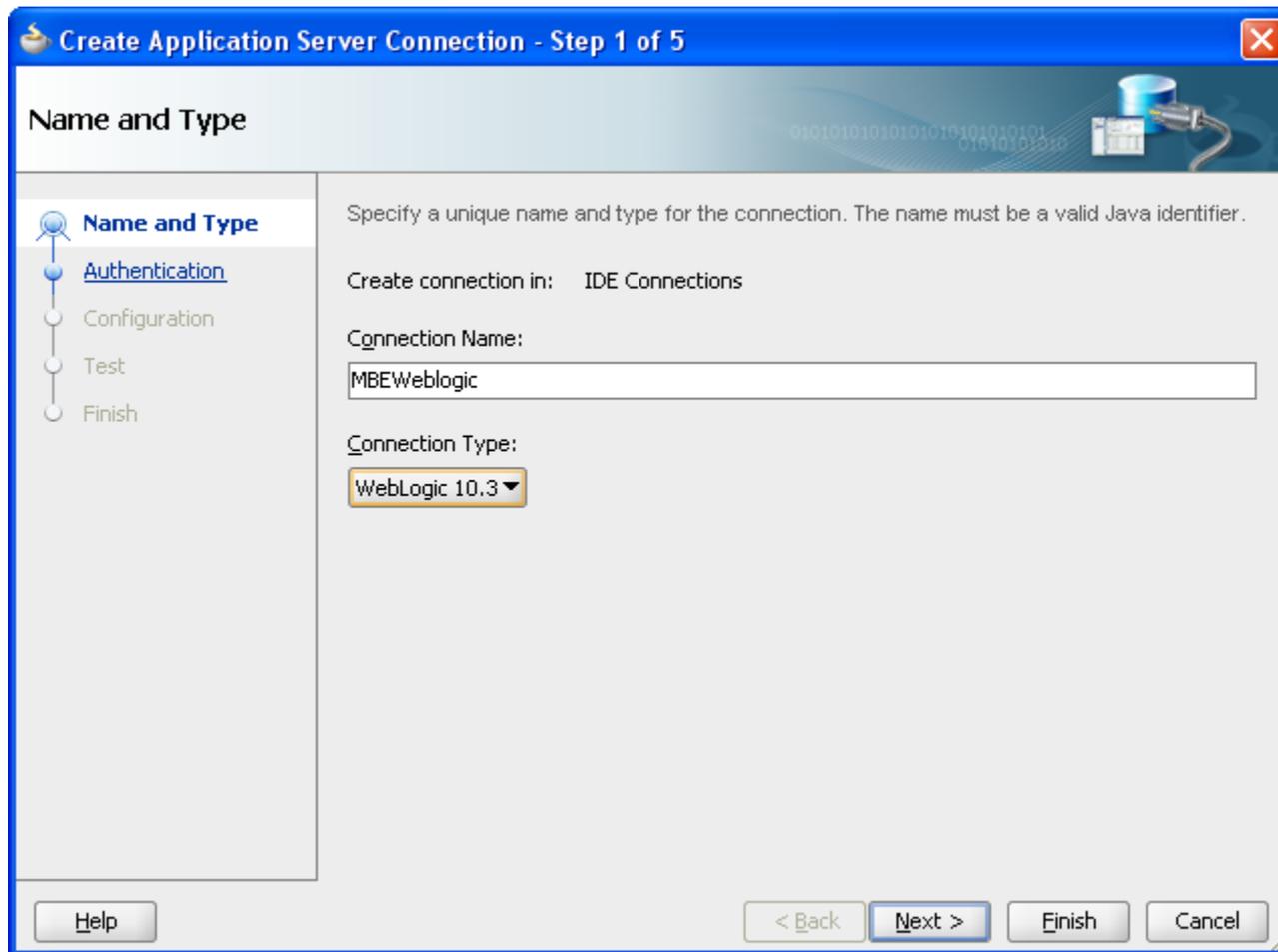
# 6. Definir Roles

- User: weblogic

- Password: welcome1

# 6. Definir Roles

- Weblogic Server: **146.83.5.23**
- Port: **7001**
- SSL: **7002**
- Domain:
  - **Domain1**

# 6. Definir Roles

- Aplication Server: **MBEweblogic**
- Realm:  **Jazn.com**
- User:  **Jcooper**
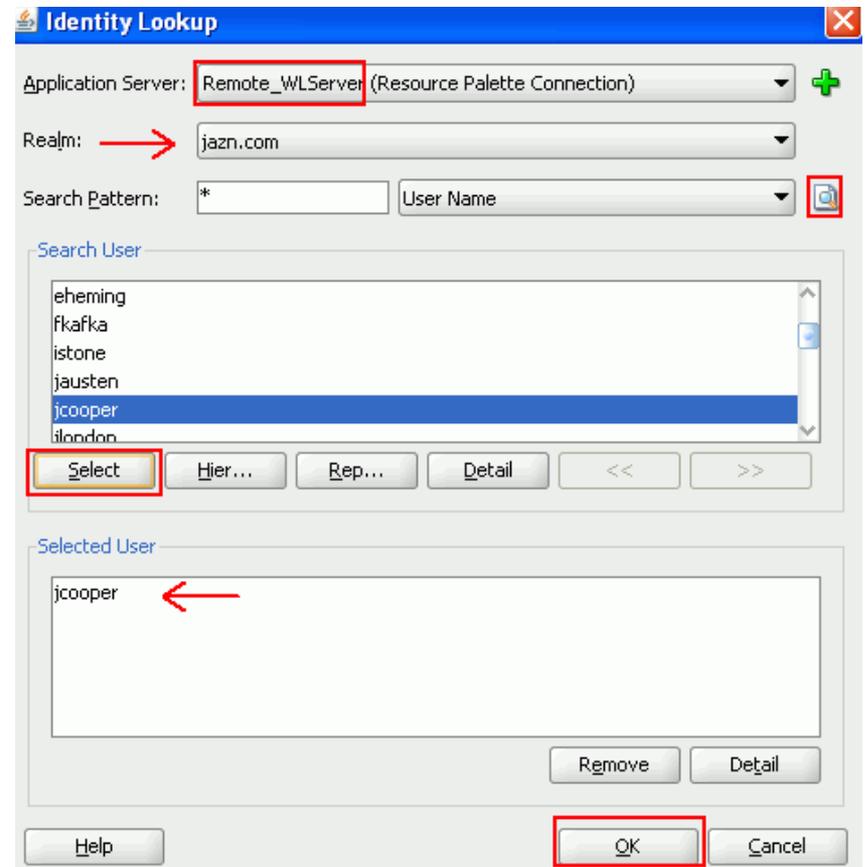
# 7. Desplegar en servidor
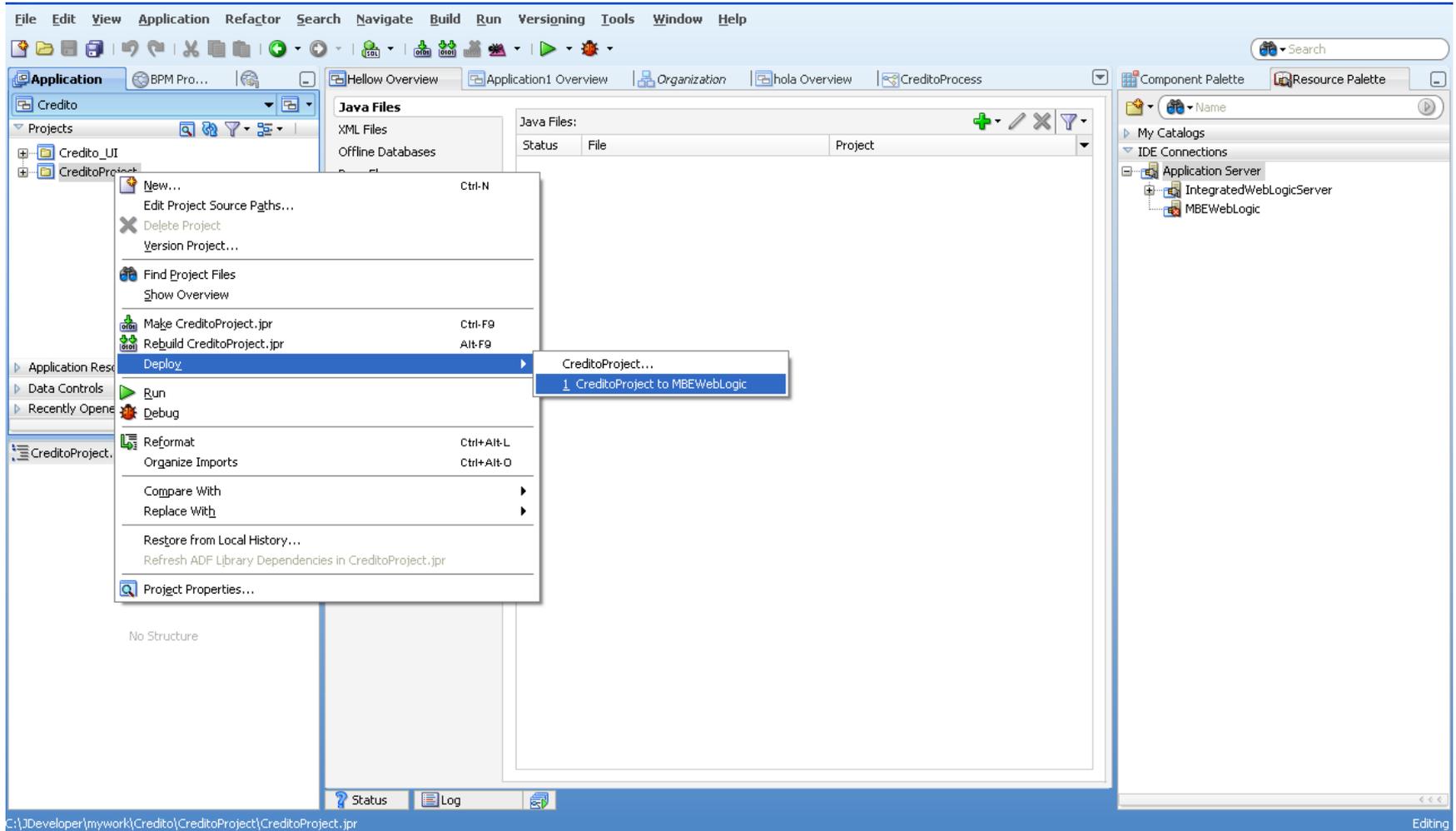
# 7. Desplegar en servidor

# 7. Desplegar en servidor

# 7. Desplegar en servidor

# 8. Test y monitoreo

▸ [http://146.83.5.23:7001/bpm/workspace/](http://146.83.5.23:7001/bpm/workspace/)
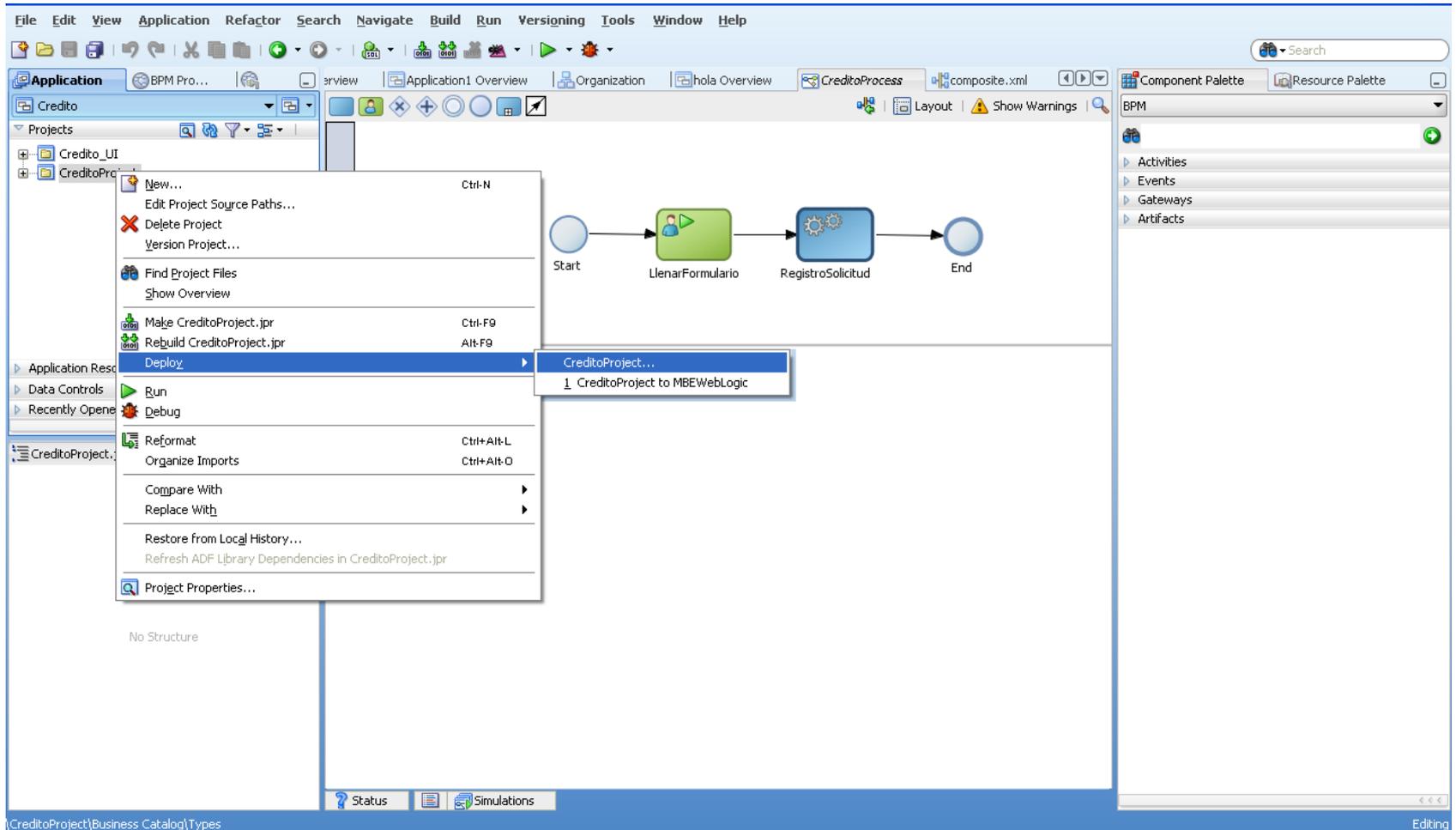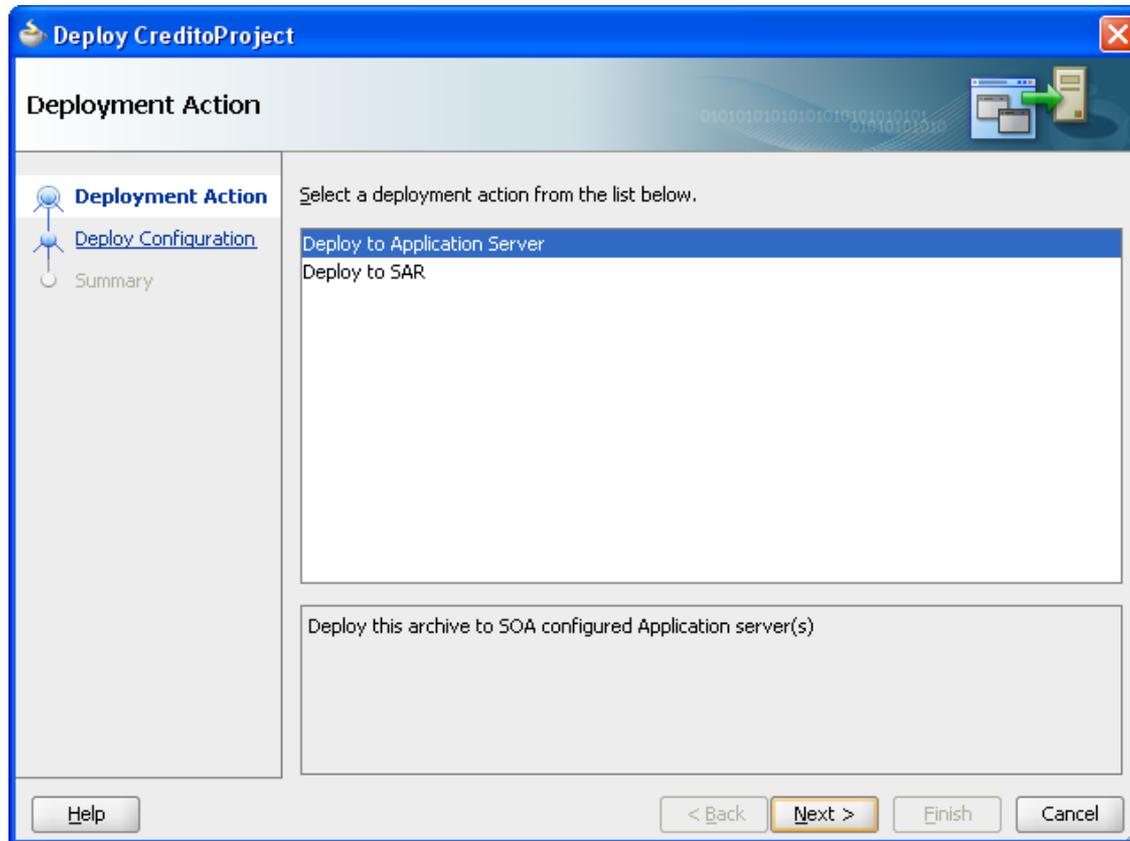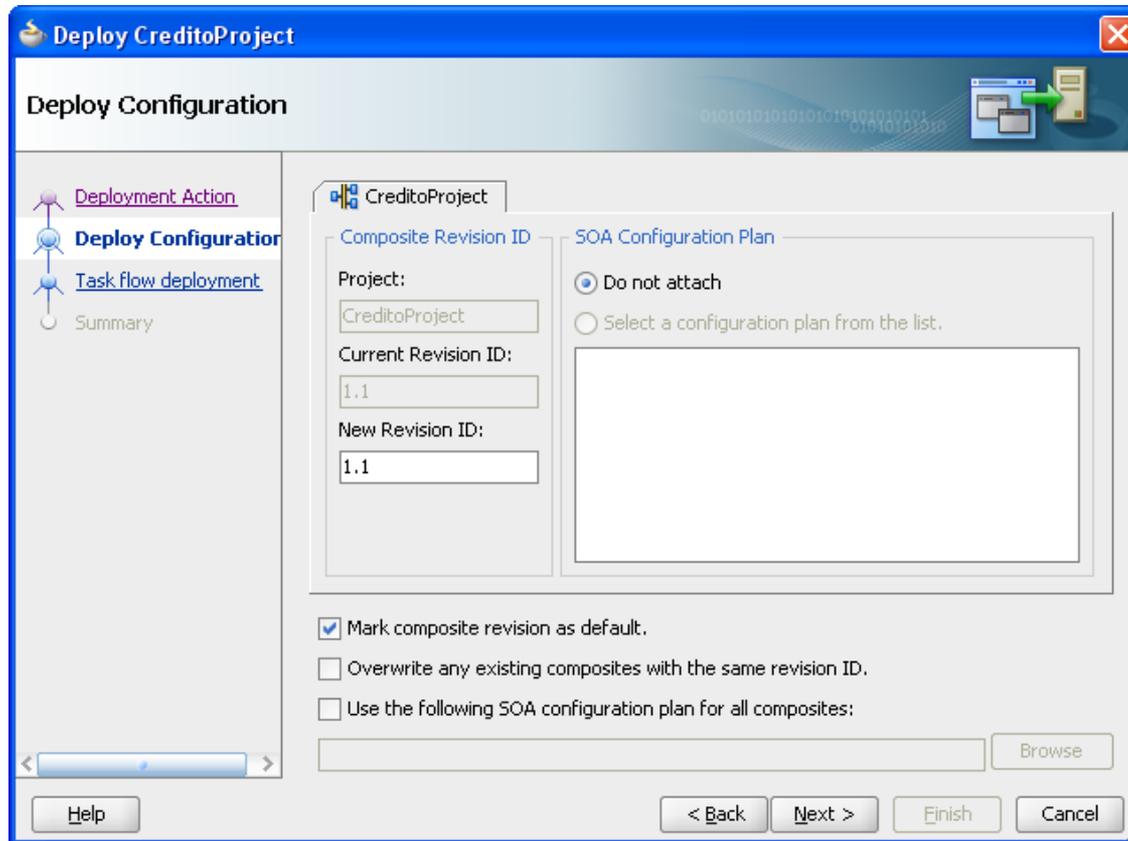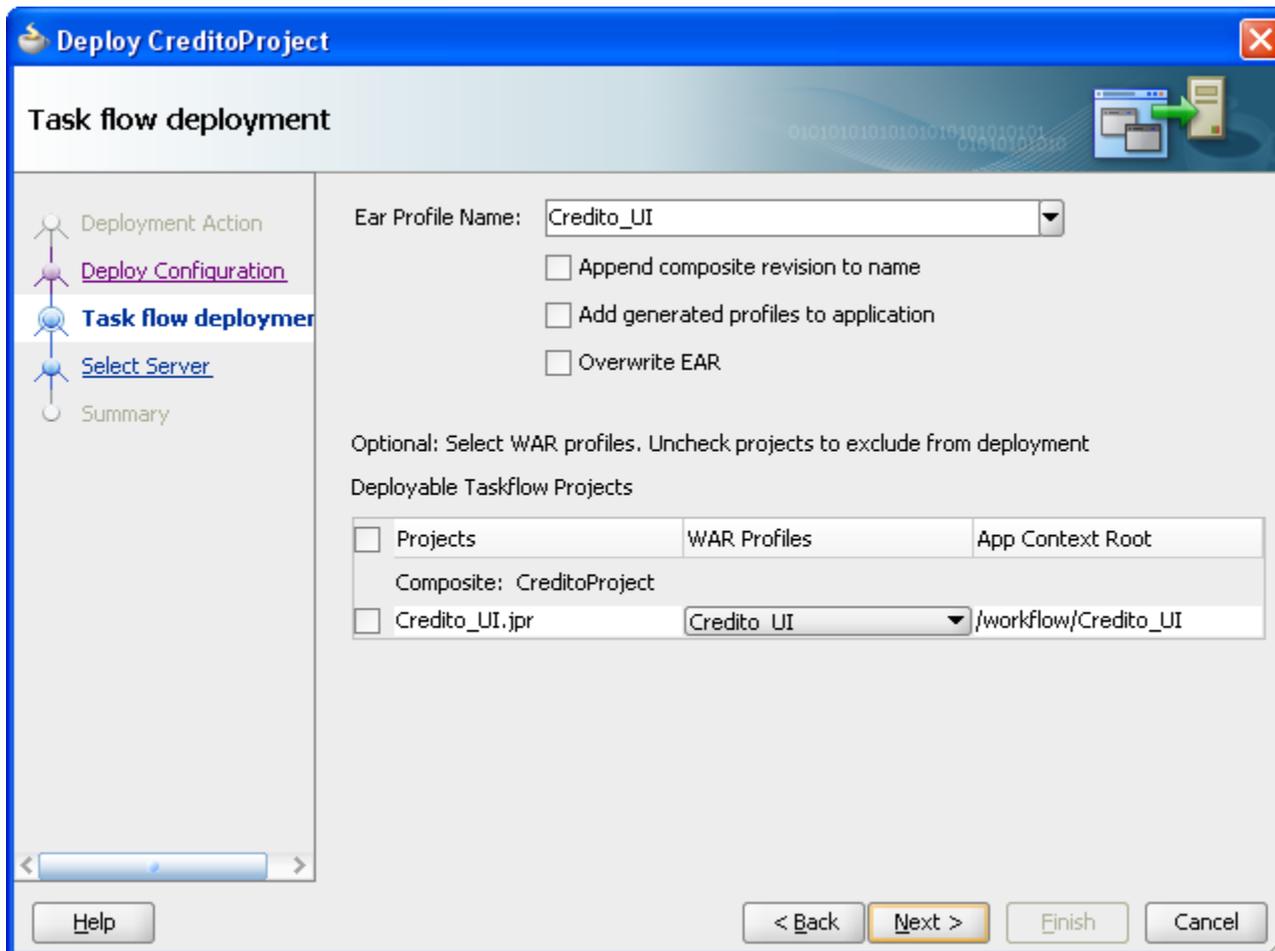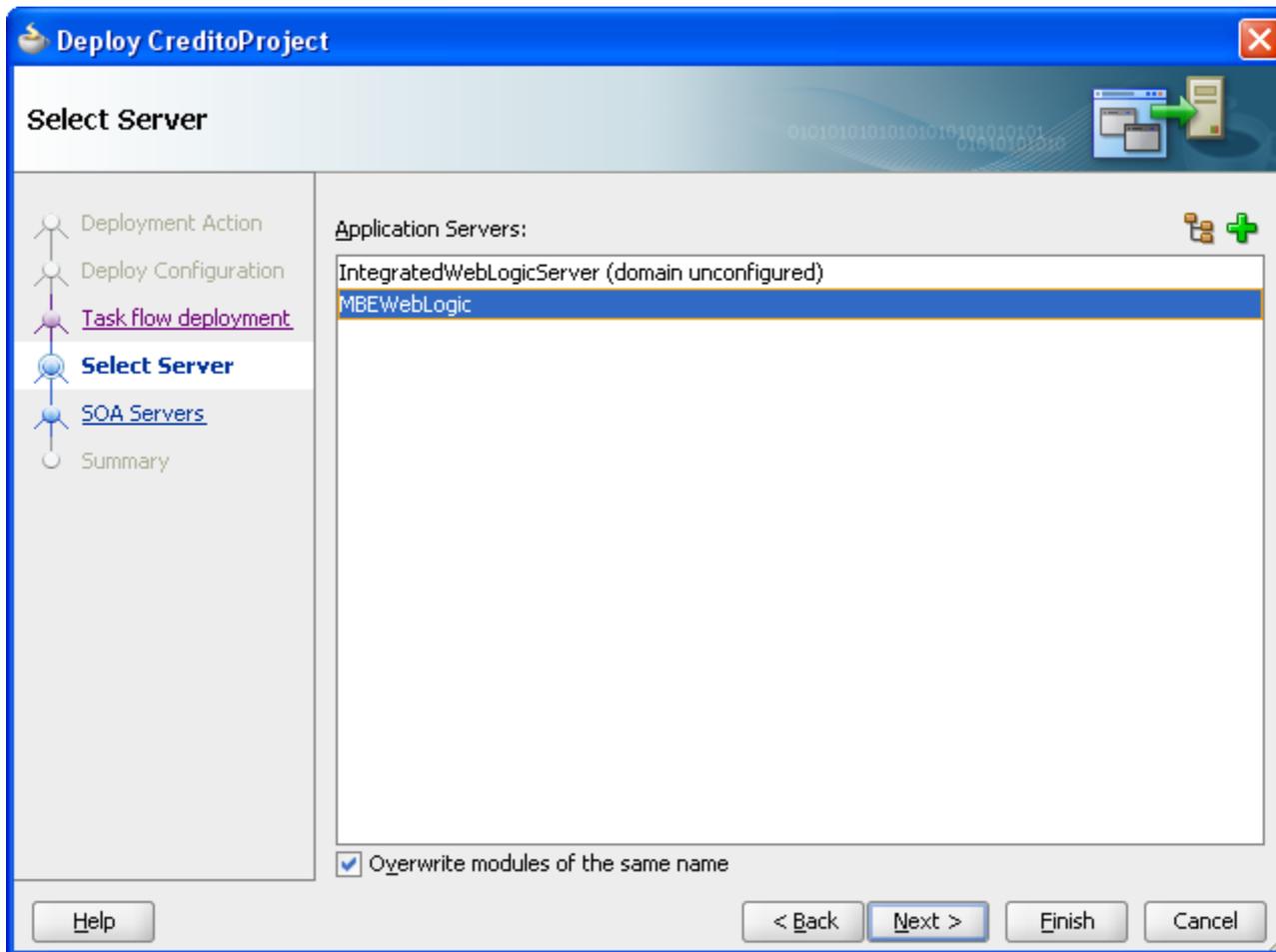
▸ **User:** Jcooper

▸ **Pass:** welcome1

# 8. Test y monitoreo