Corso APEX ODCEC Milano: Edizione 2024

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Chi Sono

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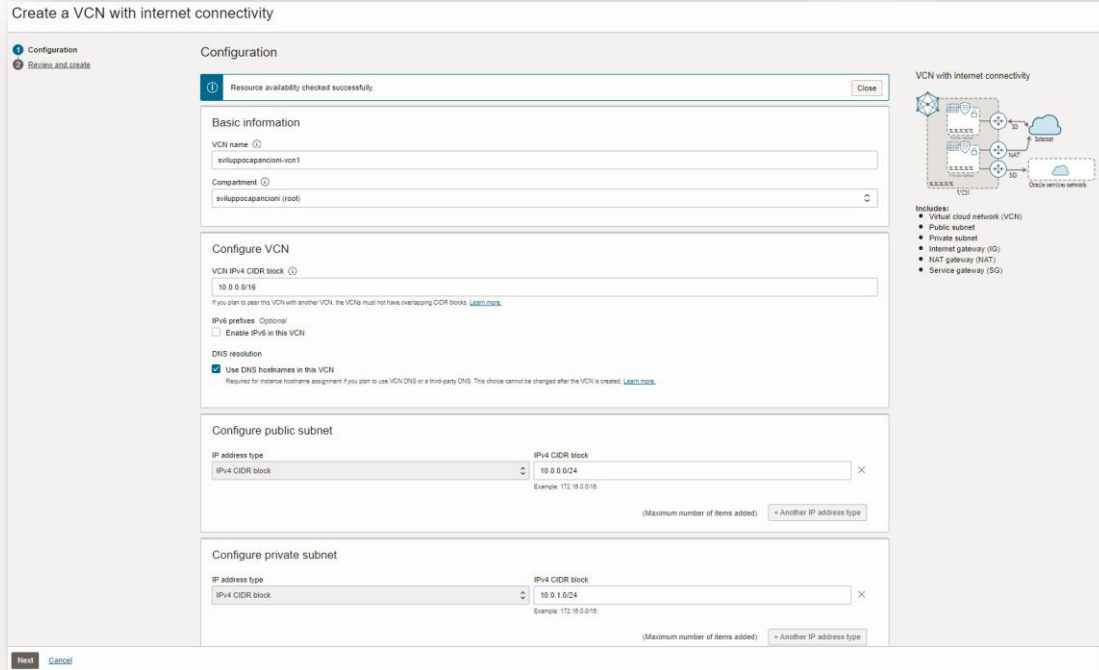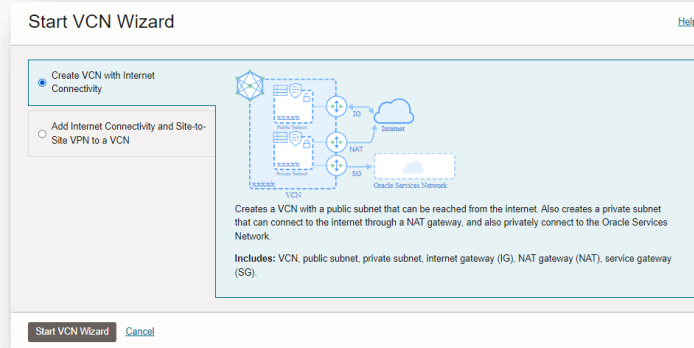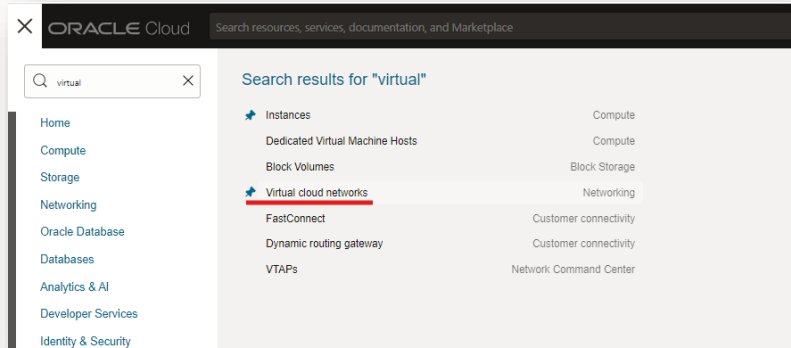—Trainer Oracle Academy

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Oracle Cloud

Oracle Cloud – Virtual cloud Networks

Oracle Cloud – Pre-Built Functions

Oracle Cloud – Pre-Built Functions


```
ocid1.fnfunc.oc1.eu-milan-1.aaaaaaaa3l43uwzph7gqxyzhscdfxo46opzhoixrpavgipo6hkldozhbf6tq
```

Oracle Cloud – Dynamic Group

resource.id ='ocid1.autonomousdatabase.oc1.eu-milan-1.anwgsljrf7kjulaaqfnuyco4qkyghfvkyo6zsgcnprxa2jv7xnecicrx3dya'

Oracle Cloud – Policy

Allow dynamic-group DocGen-fn_dg_1720964116236 to manage buckets in tenancy
Allow dynamic-group DocGen-fn_dg_1720964116236 to use functions-family in tenancy

Oracle Cloud – Bucket

ORACLE Cloud   Search resources, services, documentation, and Marketplace

buck

Search results for "buck"

Home
Compute
Storage
Networking
Oracle Database
Databases
Analytics & AI
Developer Services
Identity & Security
Observability & Management
Hybrid
Migration & Disaster Recovery
Billing & Cost Management
Governance & Administration
Marketplace

Buckets   Object Storage & Archive Storage

Create Bucket

Bucket Name
DocGen-bucket

Default Storage Tier
- ● Standard
- ○ Archive

The default storage tier for a

DocGen-bucket

☐ Enable Auto-Tiering
   Automatically move in

☐ Enable Object Versioning
   Create an object version when a new object is uploaded, an existing object is overwritten, or when an object is deleted. Le

☐ Emit Object Events
   Create automation based on object state changes using the Events Service.

☐ Uncommitted Multipart Uploads Cleanup
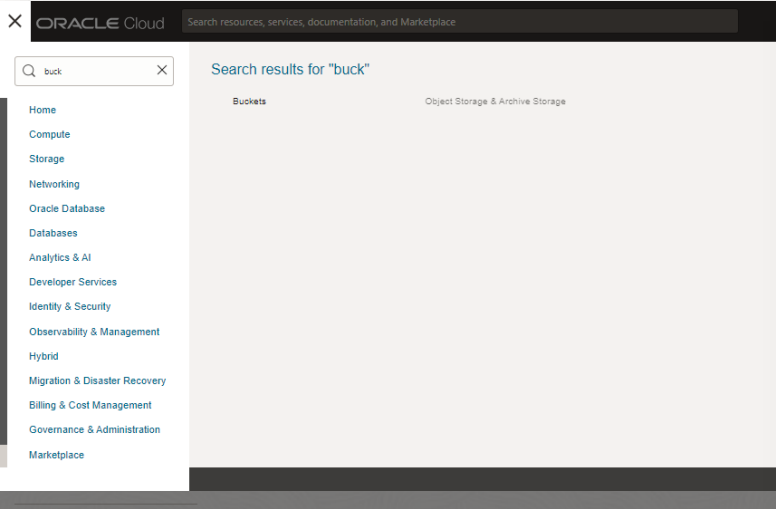   Create a lifecycle rule to automatically delete uncommitted multipart uploads older than 7 days. Learn more

Encryption
- ● Encrypt using Oracle managed keys
   Leaves all encryption-related matters to Oracle.
- ○ Encrypt using customer-managed keys
   Requires a valid key from a vault that you have access to. Learn more

Resource logging

Enable resource logging to allow resource tracking, troubleshooting, and data insights

⬤ Resource logging disabled

Tags
Add tags to organize your resources. What can I do with tagging?

Tag namespace	Tag key
None (add a free-form tag)	

Create   Cancel

Create New Folder

Bucket *Read-only*

DocGen-bucket

Name

out

Create New Folder

Bucket *Read-only*

DocGen-bucket

Name

template

Object Storage » Bucket Details

DocGen-bucket

Edit Visibility   Move Resource   Re-encrypt   Add tags   Delete

Bucket Information   Tags

General

Namespace: axg5wecdgyae
Compartment: sviluppocapancioni
Created: Sun, Jul 14, 2024, 14:09:54 UTC
ETag: dff9be8b-b240-40c0-a62a-a3e5be02c608
OCID: ...ctjtovra Show Copy

Usage

Approximate Object Count: 0 objects ⓘ
Approximate Size: 0 bytes ⓘ
Uncommitted Multipart Uploads Approximate Count: 0 uploads ⓘ
Uncommitted Multipart Uploads Approximate Size: 0 bytes ⓘ

Namespace: axg5wecdgyae
Name: DocGen-bucket

Resources

Objects
Metrics
Pre-Authenticated Requests
Work Requests
Lifecycle Policy Rules
Replication Policy
Retention Rules
Uncommitted Multipart Uploads
Logs

Objects

Upload   More Actions ▾

☐	Name	Las
	📁 out	-
	📁 template	-

Oracle Cloud – SQL
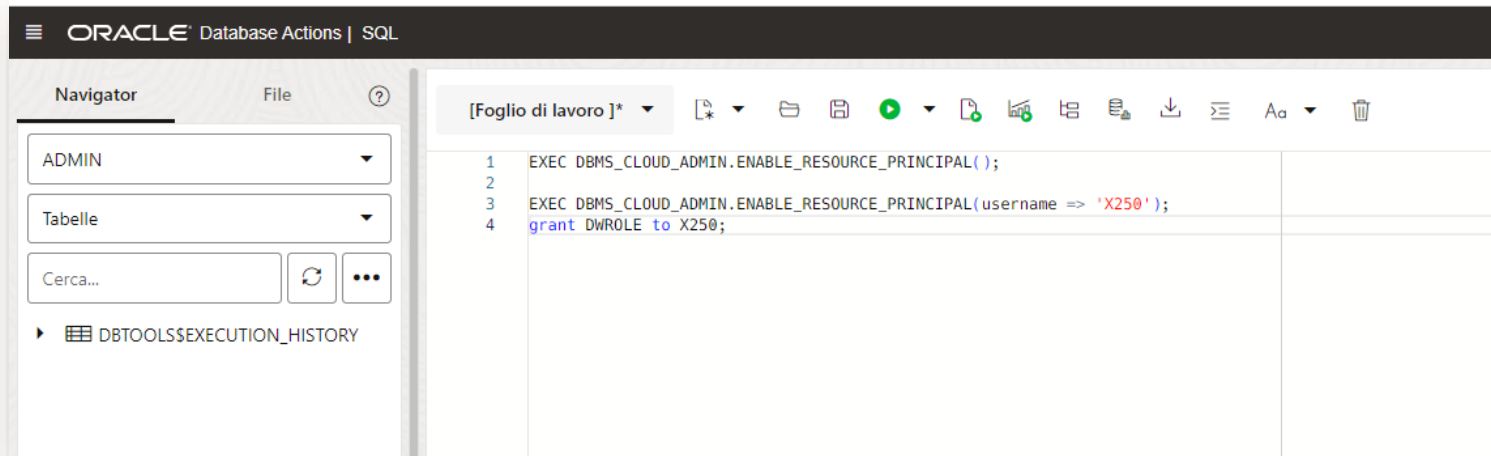
Sample Document Generator

Sample Document Generator

Sample Document Generator
Oracle

This application showcases the integration with the Oracle Document Generator Pre-built Function on OCI. It features examples of generating PDF documents from a combination of JSON data and MS Word templates.

24.1.0

⟳ Installazione

Sample Document Generator
Demonstration of invoking the Oracle Document Generator Pre-Built Function in APEX.

This application can only be used on an Autonomous Database on OCI.

Configuration steps:

1. Configure the Document Generator Function
2. Create an Object Storage Bucket
3. Create a Dynamic Group for the Autonomous Database

   ```
   resource.id = '<db_ocid>'
   ```

4. Create a Policy for the Dynamic Group to manage objects and invoke the function

   ```
   Allow dynamic-group <group_name> to manage objects in compartment <compartment_name>
   Allow dynamic-group <group_name> to manage buckets in compartment <compartment_name>
   Allow dynamic-group <group_name> to use functions-family in compartment <compartment_name>
   ```

5. Enable the Resource Principal in the database as ADMIN user

   ```
   EXEC DBMS_CLOUD_ADMIN.ENABLE_RESOURCE_PRINCIPAL();
   EXEC DBMS_CLOUD_ADMIN.ENABLE_RESOURCE_PRINCIPAL(username => 'X250');
   ```

6. Grant the role DWROLE to the workspace schema as ADMIN user

   ```
   grant DWROLE to X250;
   ```

7. Configure the "OCI Document Generator - Print Document" Plug-In Component Settings

Sample Document Generator – Impostazioni Componente

Sample Document Generator – Generazione PDF

Customer Order

A purchase order form, based on the Order / Order Item Sample Data Set.

Generate PDF

```
{
    "order": {
        "id": 18,
        "date": "28 FEB 2018",
        "customer": "Harry Powell",
        "email": "harry.powell@internalmail",
        "count": 2,
        "items": [
            {
                "id": 1,
                "unitPrice": 39.89,
                "quantity": 4,
                "total": 159.56,
                "productName": "Women's Sweater (Brown)"
            },
            {
                "id": 2,
                "unitPrice": 39.91,
                "quantity": 4,
                "total": 159.64,
                "productName": "Boy's Coat (Blue)"
            }
        ]
    }
}
```

Template (Word)

ORACLE

Order Form

Customer Details:
[order.customer]
Email: [order.email]

Date: [order.date]
Order Number: [order.id]

Item #	Product		Qty	Unit Price	Total
[#order.items] [id]	[productName]		[quantity]	[unitPrice|format:FFML999G999G99 9G999G990D00][/order.items]	[total|format:F ML999G999G9 99G999G990D0 0]
				TOTAL	[order.items|su mtotal|format:F ML999G999G9 99G999G990D0 0]

Thank you for your order!

Output (PDF)

1 / 1   —   100%   +

ORACLE

Order Form

Customer Details:
Sharla Topper
Email: *sharla.topper@internalmail*

Date: 01 MAR 2018
Order Number: 21

Item #	Product	Qty	Unit Price	Total
1	Girl's Pyjamas (Red)	1	$22.98	$22.98
2	Boy's Shorts (Blue)	4	$30.69	$122.76
			TOTAL	**$145.74**

Thank you for your order!

D26 Fattura

D26 Fattura

```sql
-- create tables
create table d26_cliente (
    id                          number generated by default on null as identity
                                constraint d26_cliente_id_pk primary key,
    codice_cliente              varchar2(20 char)
                                constraint d26_cliente_codice_client_unq unique not null,
    ragione_sociale             varchar2(50 char) not null,
    piva                        varchar2(11 char) not null,
    indirizzo                   varchar2(100 char) not null,
    codice_sdi                  varchar2(6 char)
)
;

create table d26_fattura_testata (
    id                          number generated by default on null as identity
                                constraint d26_fattura_testa_id_pk primary key,
    cliente_id                  number
                                constraint d26_fattura_te_cliente_id_fk
                                references d26_cliente not null,
    anno                        number not null,
    numero                      number not null,
    descrizione                 varchar2(50 char) not null,
    data                        date not null
)
;

-- table index
create index d26_fattura_testa_i1 on d26_fattura_testata (cliente_id);

create table d26_fattura_dettaglio (
    id                          number generated by default on null as identity
                                constraint d26_fattura_detta_id_pk primary key,
    fattura_testata_id          number
```

- **D26_CLIENTE**
- **D26_FATTURA_TESTATA**
- **D26_FATTURA_DETTAGLIO**

D26 Fattura

Esporta Plugin

977 applicazione \ Componenti condivisi \ Plugin

Plugin | Utilizzo | Cronologia

Vai | Azioni ∨ | Reimposta | Visualizza repository di plugin | Importa > | Crea >

Nome ↑	Tipo	Versione	Informazioni su URL	Sottoscritto da	Riferimenti	Stato sottoscrizione	Sottoscrittori	Aggiornato	Autore aggiornamento
OCI Document Generator - Print Document	Processo	0.1			3				

977 applicazione \ Componenti condivisi \ Plugin \ Modifica

Plugin: OCI Document Generator - Print Document

Mostra tutto | Nome | Sottoscrizione | Origine | Callback | Supportato per | Attributi standard | M

Nome

Nome

Task

Impostazioni componente >

Esporta plugin >

Utilizzo >

977 applicazione \ Esporta

Applicazione | Pagina | Componenti | Temi | **Plugin** | Valori predefiniti interfaccia utente | Feedback | Catalogo | Area di lavoro

Esporta plugin

Reimposta | Esporta

* Applicazione   **977 Sample Document Generator** ?

Plugin disponibili per l'esportazione   1 ?

* Plugin   OCI Document Generator - Print Document ∨ ?
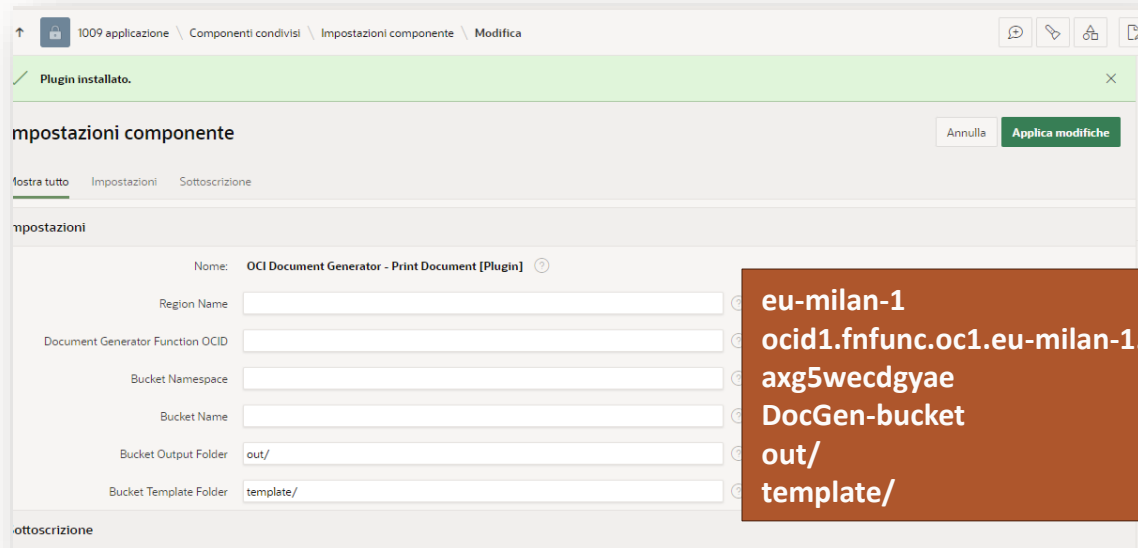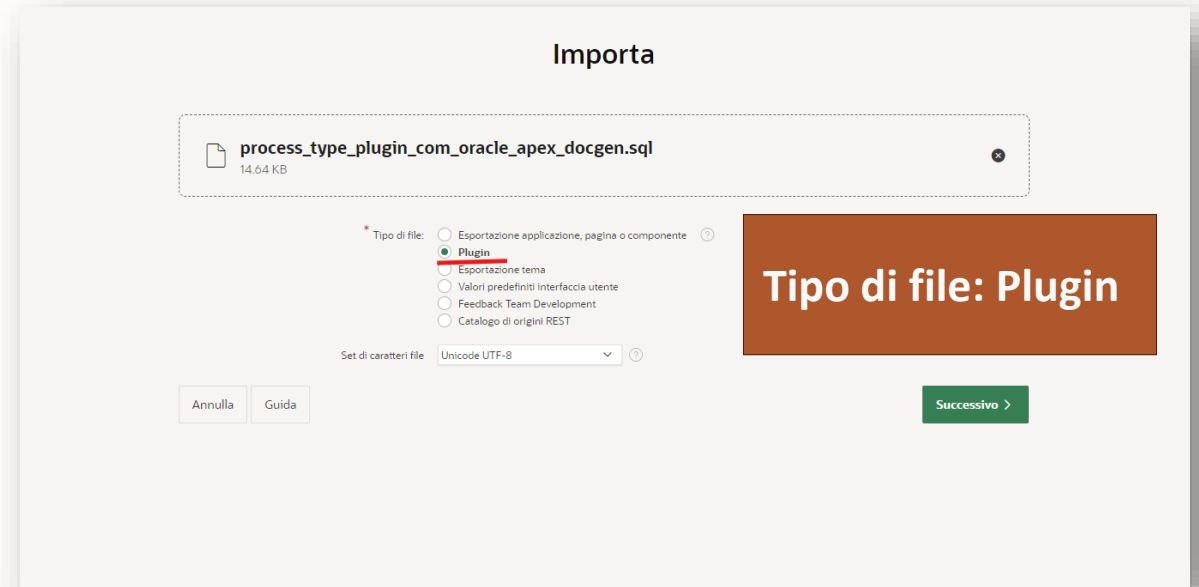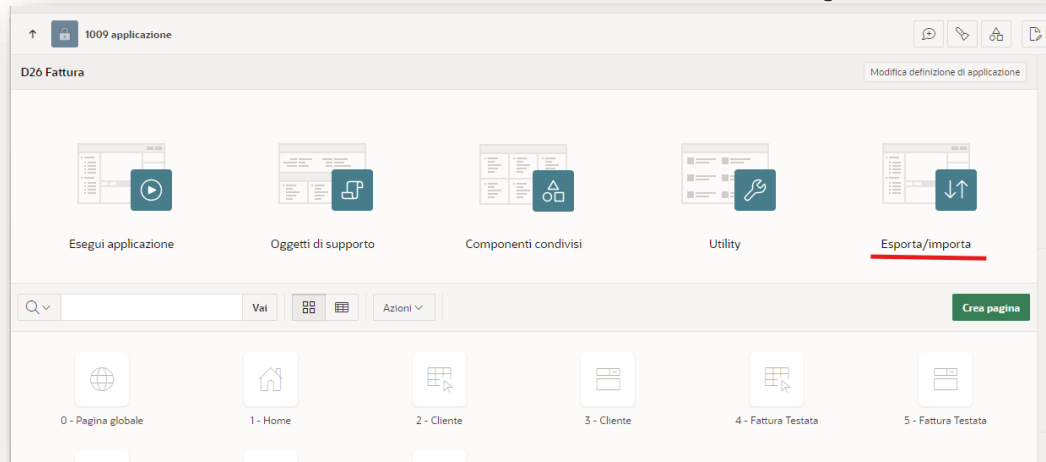
Informazioni di audit   Nessuno | Nomi e date | Solo date ?

Set di caratteri file   **Unicode UTF-8** ?

Importa Plugin

Esporta/importa

Importa

process_type_plugin_com_oracle_apex_docgen.sql
14.64 KB

* Tipo di file:
  - ○ Esportazione applicazione, pagina o componente
  - ● Plugin
  - ○ Esportazione tema
  - ○ Valori predefiniti interfaccia utente
  - ○ Feedback Team Development
  - ○ Catalogo di origini REST

Set di caratteri file   Unicode UTF-8

Annulla   Guida   Successivo >

Tipo di file: Plugin

Plugin installato.

Impostazioni componente   Annulla   Applica modifiche

Mostra tutto   Impostazioni   Sottoscrizione

Impostazioni

Nome: OCI Document Generator - Print Document [Plugin]

Region Name

Document Generator Function OCID

Bucket Namespace

Bucket Name

Bucket Output Folder   out/

Bucket Template Folder   template/

Sottoscrizione

eu-milan-1
ocid1.fnfunc.oc1.eu-milan-1.aaaaaaaa3l43uwzph7gqxyzhscdfxo46opzhoixrpavgipo6hkldozhbf6tq
axg5wecdgyae
DocGen-bucket
out/
template/