Chapter 14. GreenDi - Catalog of plants

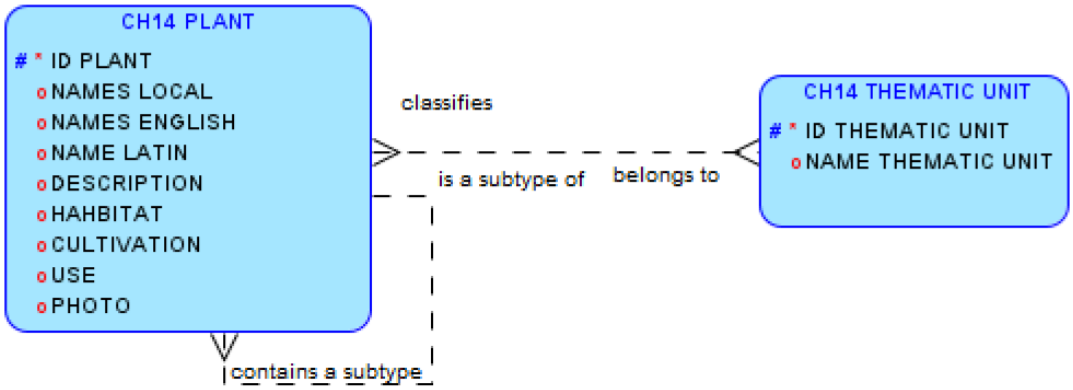


Figure 14.3: Logical data model.

Quick SQL

Quick SQL reduces the time and effort required to create SQL tables, triggers, and index structures. It is not designed to be a replacement for data modeling. Quick SQL is simply a quick way to develop a script for simple tables and views. Once the SQL is generated it can be tweaked and expanded upon. Quick SQL provides a quick way to generate the SQL required to create a relational data model from an indented text document (1).

Accessing Quick SQL

To access the Quick SQL page:

On the Workspace home page, click the SQL Workshop icon.

Click Utilities.

Click Quick SQL.

The Quick SQL page appears.

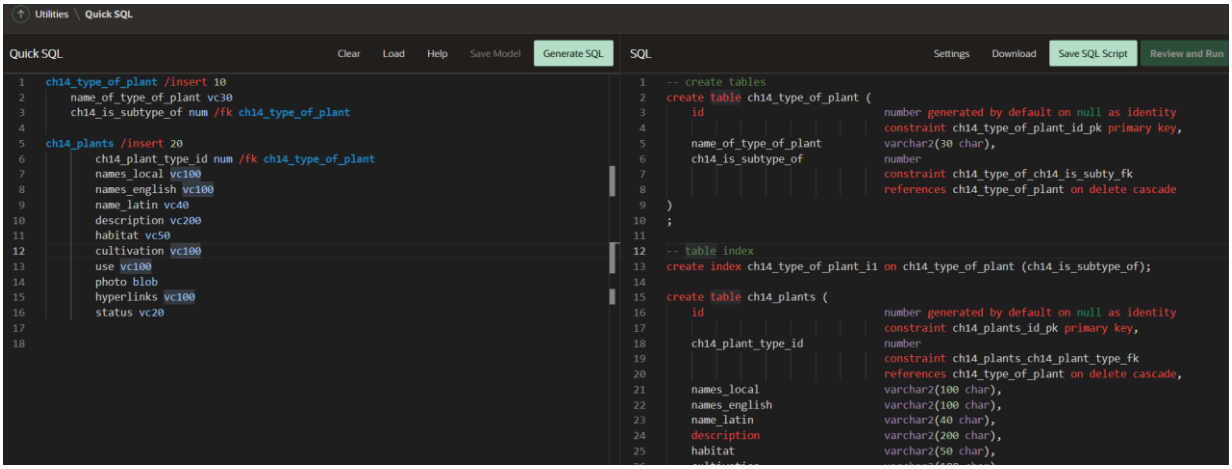
```
ch14_type_of_plant /insert 10
    name_of_type_of_plant vc30
    ch14_is_subtype_of num /fk ch14_type_of_plant

ch14_plants /insert 20
        ch14_plant_type_id num /fk ch14_type_of_plant
        names_local vc100
```

```
names_english vc100
name_latin vc40
description vc200
habitat vc50
cultivation vc100
use vc100
photo blob
hyperlinks vc100
status vc20
```

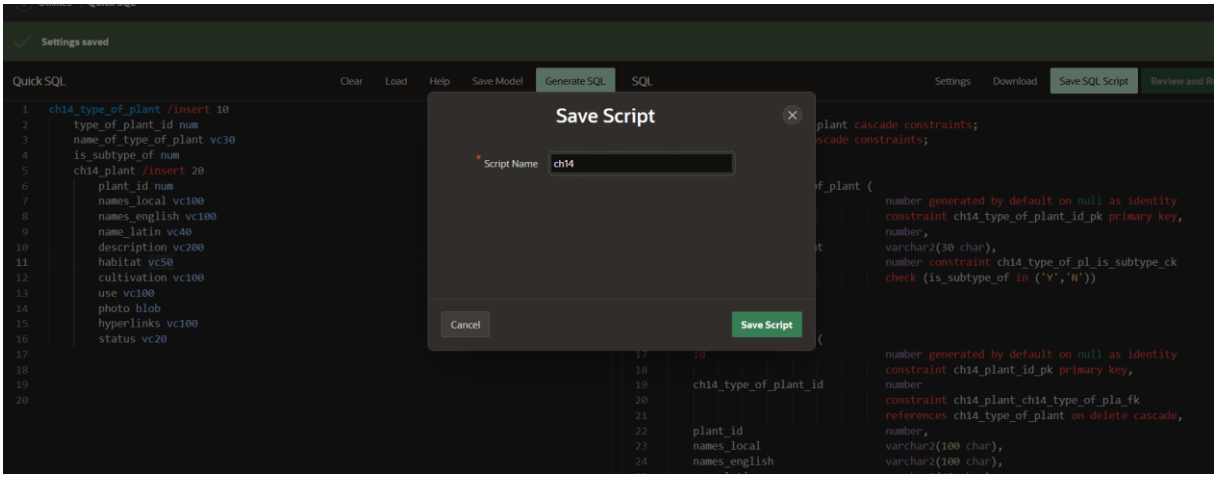
Click Generate SQL.

Displays the generated SQL in Oracle SQL Output pane.

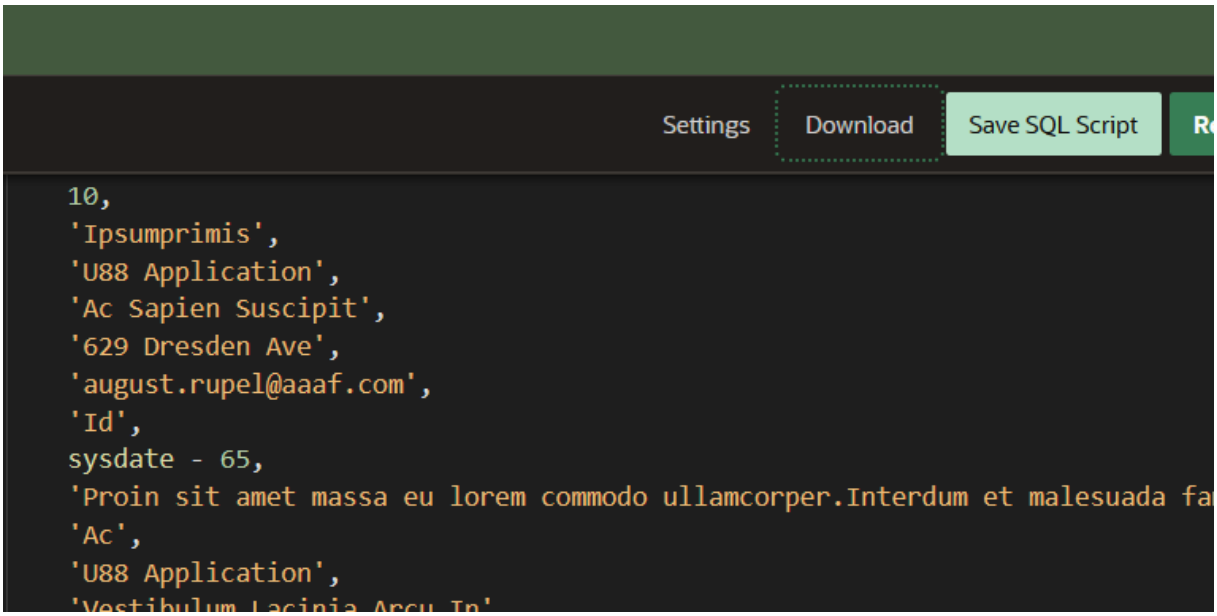


Click Save Script.

The script is saved under SQL Scripts.



Click on Download to locally download the script.



Creating an Application from a Generated SQL Script

When you save a script it saves it to SQL Scripts and you can directly run the Create Application Wizard from SQL Scripts page.

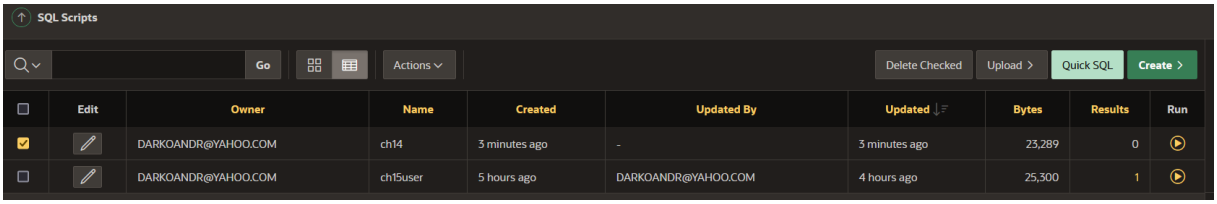
To create an application from script:

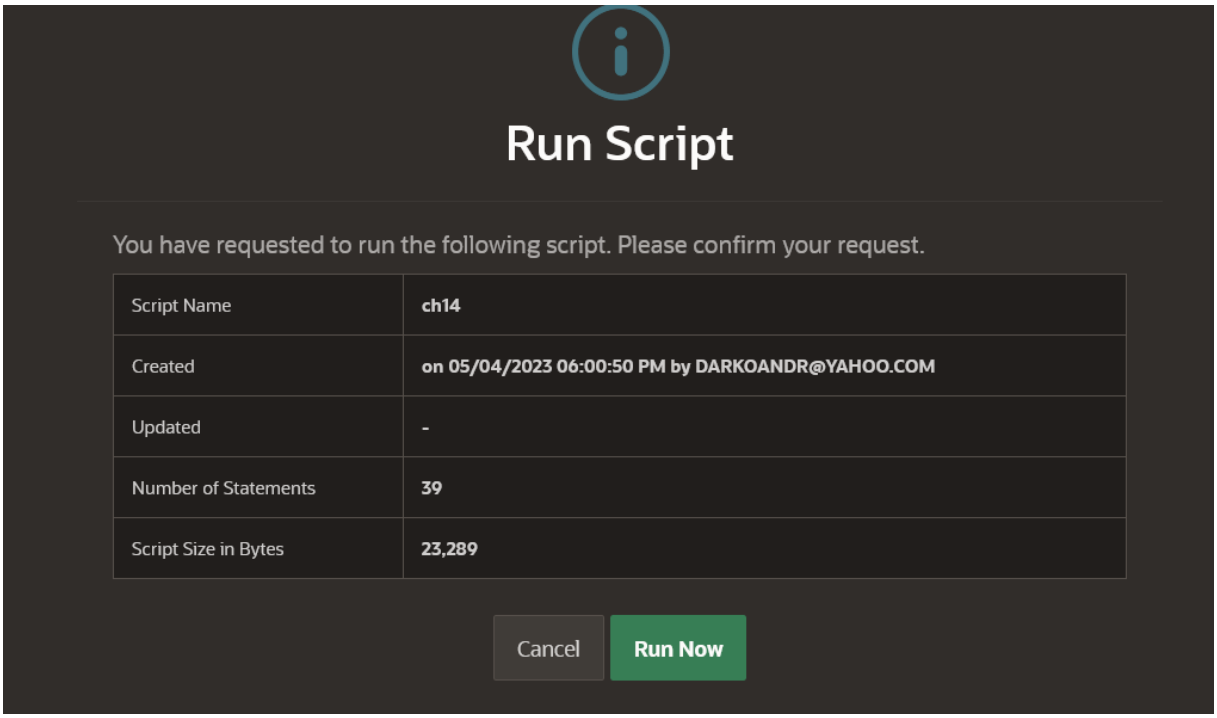
On the Workspace home page, click the SQL Workshop icon.

Click SQL Scripts.

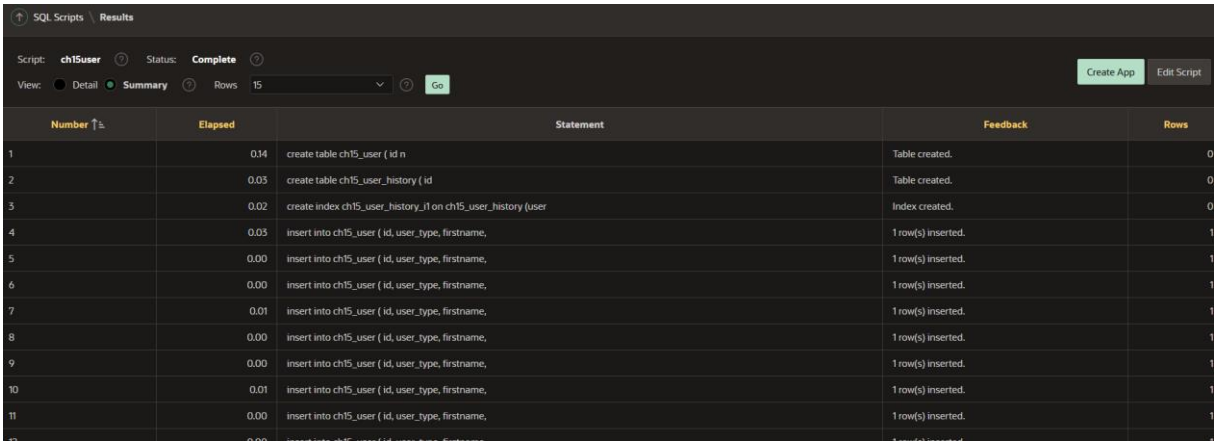
The SQL Script page appears.

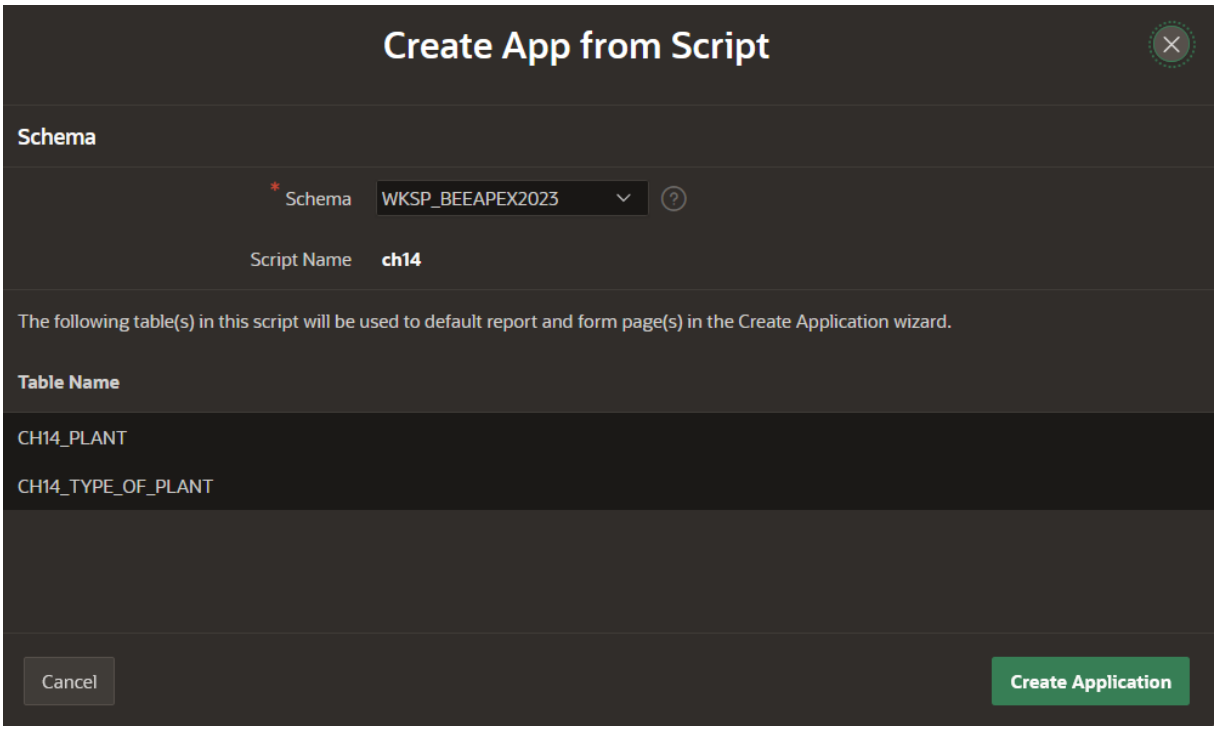
Locate the script and click Run.

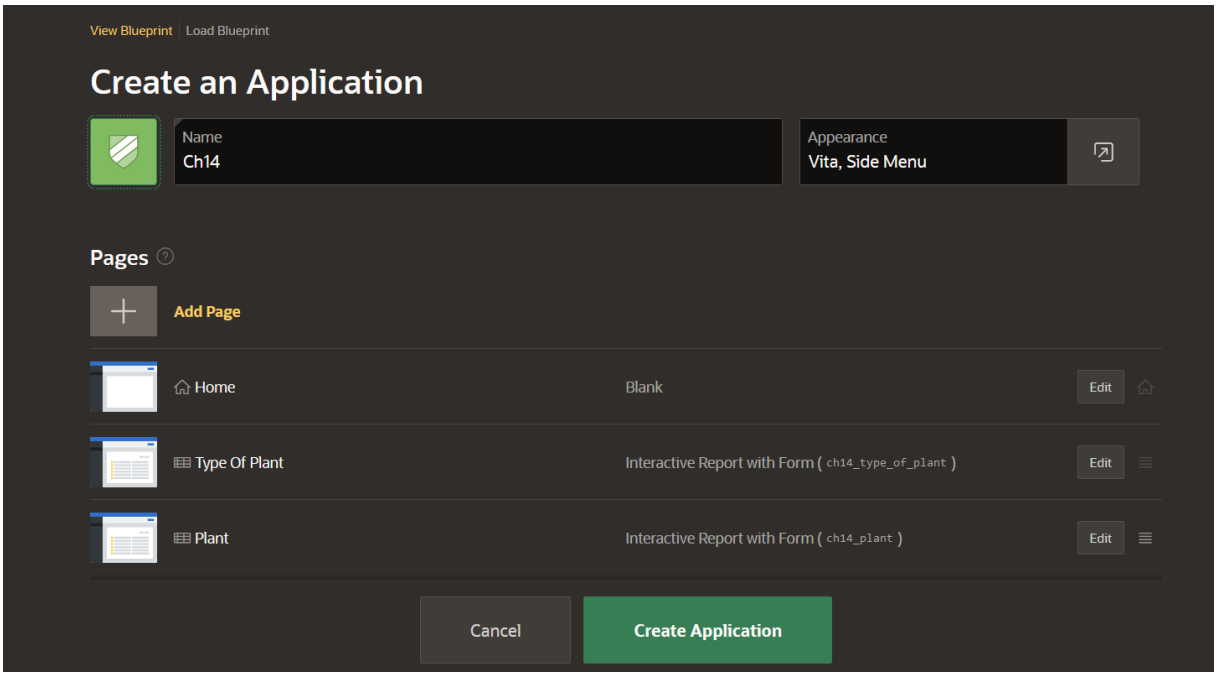


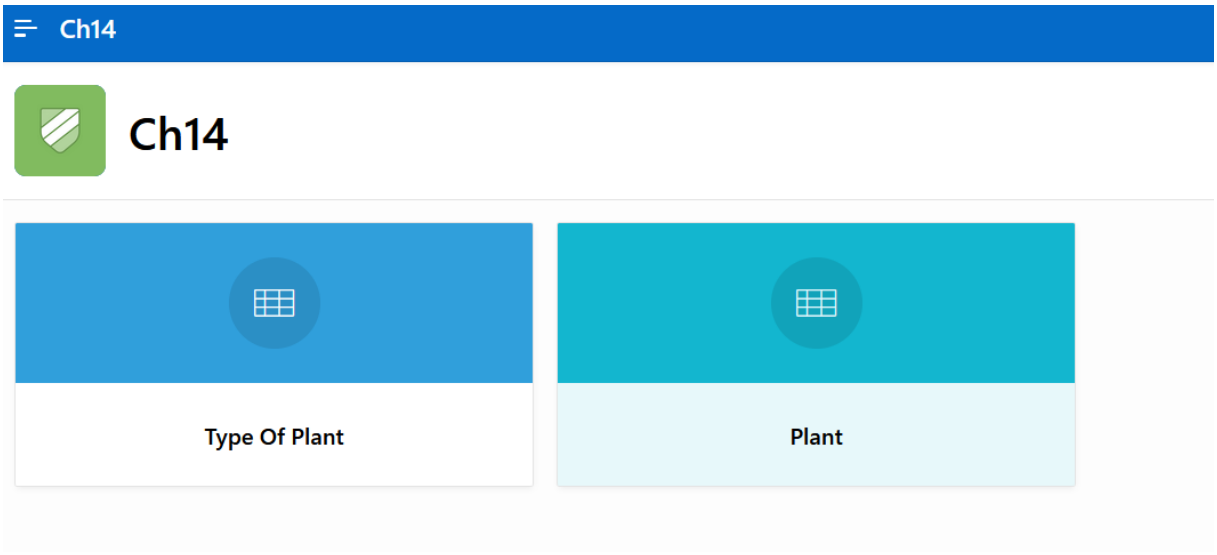

Run Script
You have requested to run the following script. Please confirm your request.
Script Name
ch14
Created
on 05/04/2023 06:00:50 PM by DARKOANDR@YAHOO.COM
Updated
-
Number of Statements
39
Script Size in Bytes
23,289
Cancel
Run Now

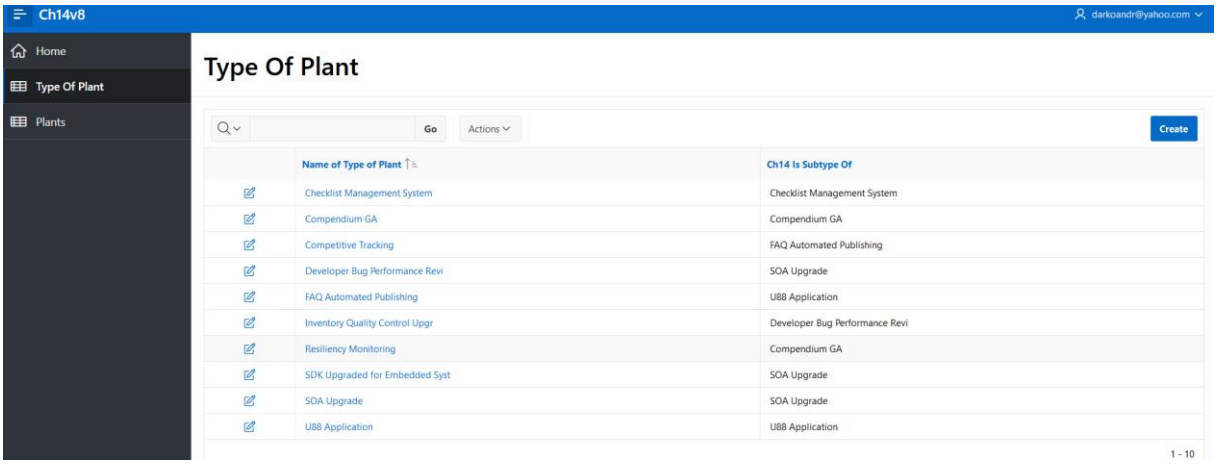
Create App:

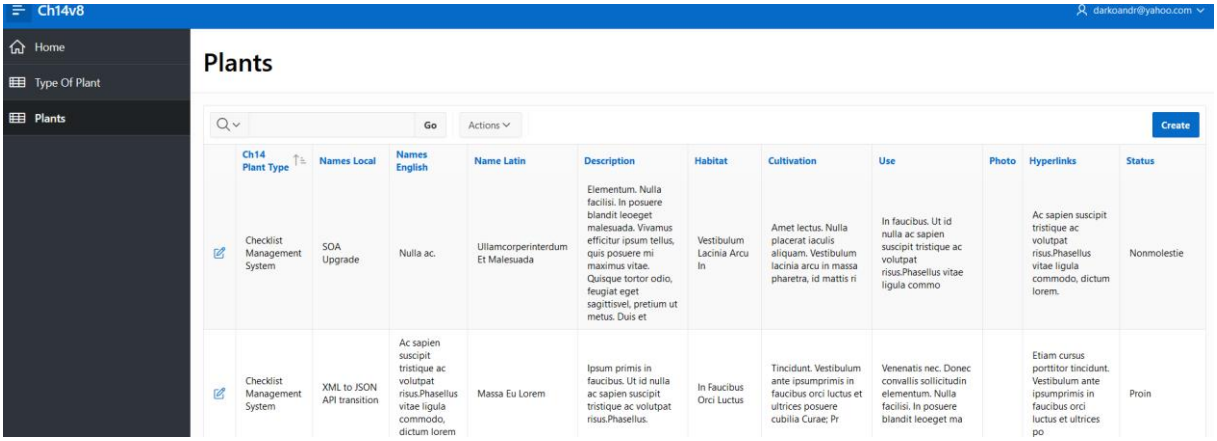

SQL Scripts
Results
Script: ch15user
Status: Complete
View: Detail Summary
Rows 15
Go
Create App
Edit Script
Number
Elapsed
Statement
Feedback
Rows
1 0.14 create table ch15_user (id n Table created. 0
2 0.03 create table ch15_user_history (id Table created. 0
3 0.02 create index ch15_user_history_i1 on ch15_user_history (user Index created. 0
4 0.03 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1
5 0.00 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1
6 0.00 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1
7 0.01 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1
8 0.00 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1
9 0.00 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1
10 0.01 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1
11 0.00 insert into ch15_user (id, user_type, firstname, 1 row(s) inserted. 1


Create App from Script
Schema
* Schema
WKSP_BEEAPEX2023
Script Name
ch14
The following table(s) in this script will be used to default report and form page(s) in the Create Application wizard.
Table Name
CH14_PLANT
CH14_TYPE_OF_PLANT
Cancel
Create Application


View Blueprint
Load Blueprint
Create an Application
Name
Ch14
Appearance
Vita, Side Menu
Pages
Add Page
Home
Blank
Edit
Type Of Plant
Interactive Report with Form (ch14_type_of_plant)
Edit
Plant
Interactive Report with Form (ch14_plant)
Edit
Cancel
Create Application

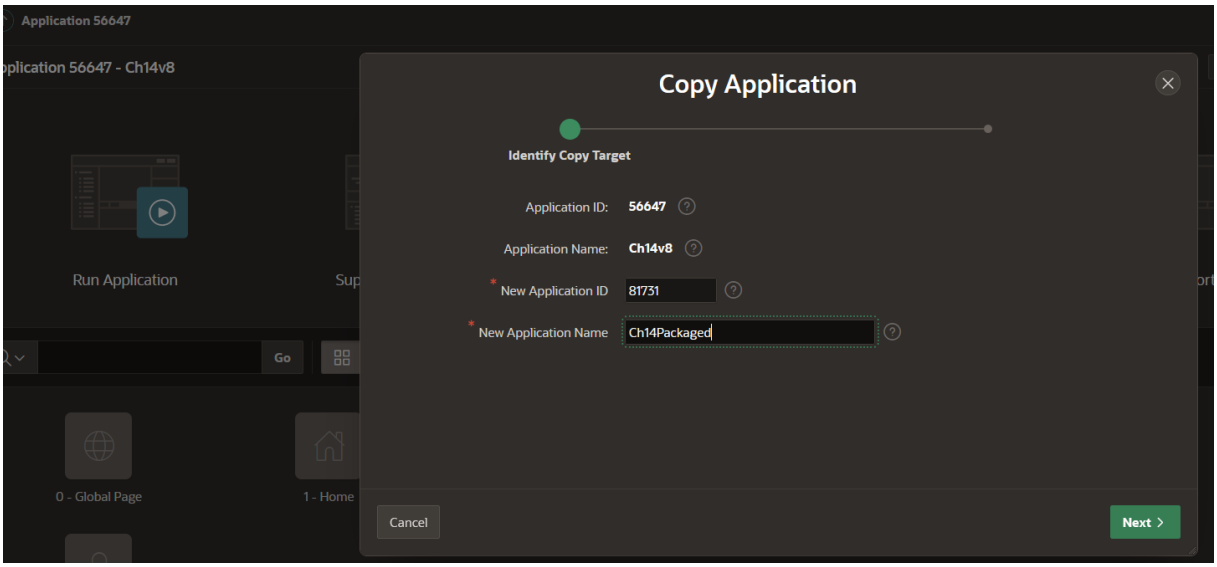


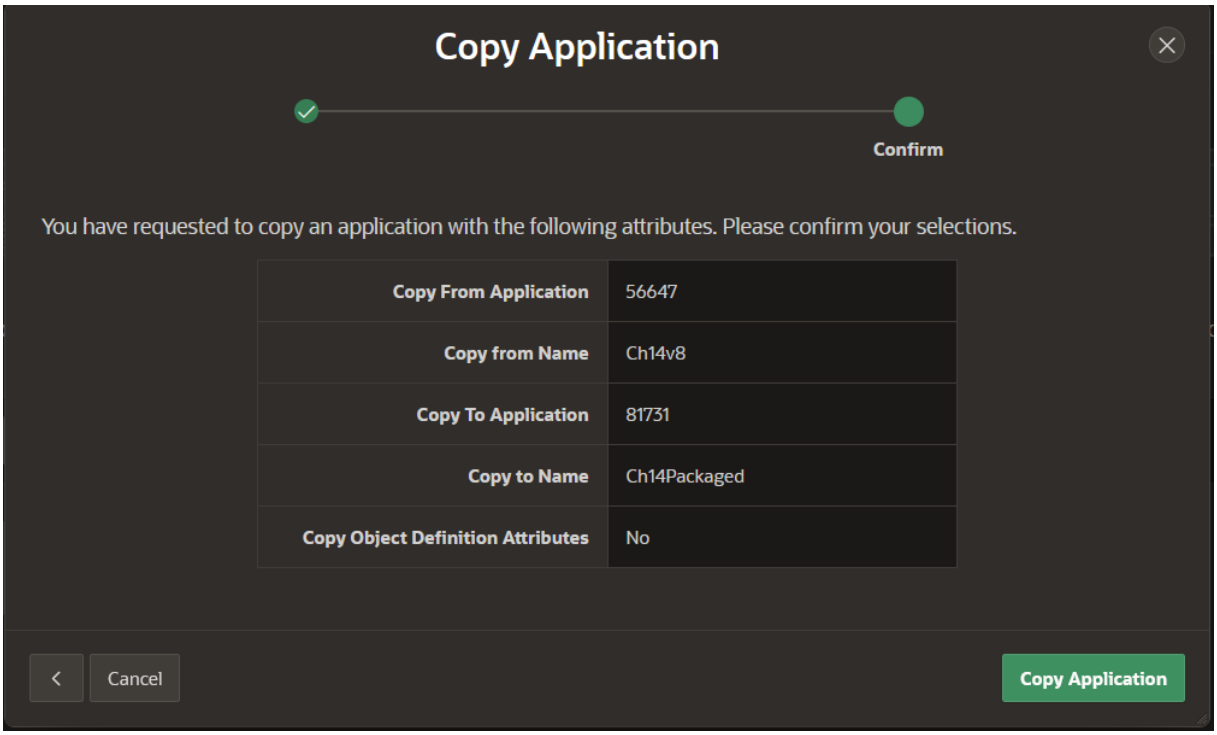




Export as Packaged Application

- Select the application and click on link Copy this application:

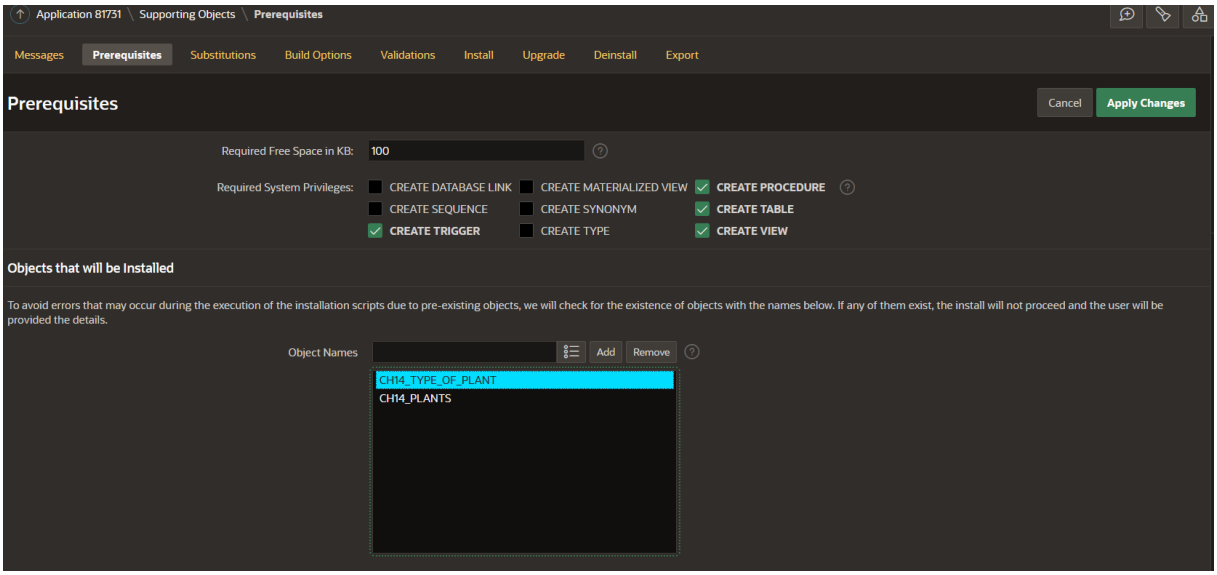




In App Builder select Ch14Packaged application.

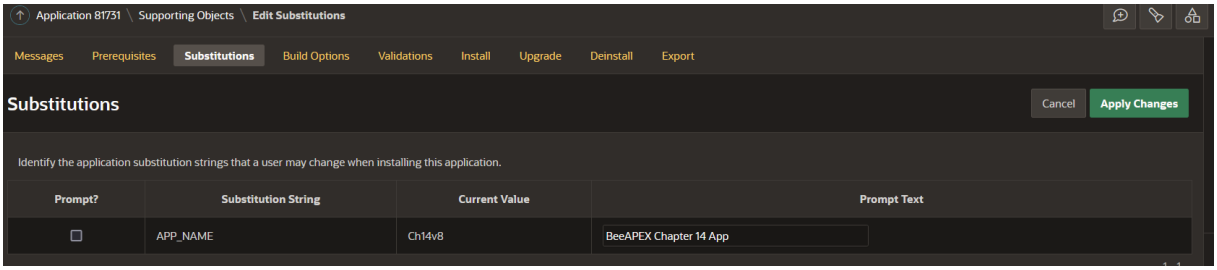
Go to Supporting Objects

Prerequisites – Object Names – Add: CH14_TYPE_OF_PLANT, CH14_PLANTS

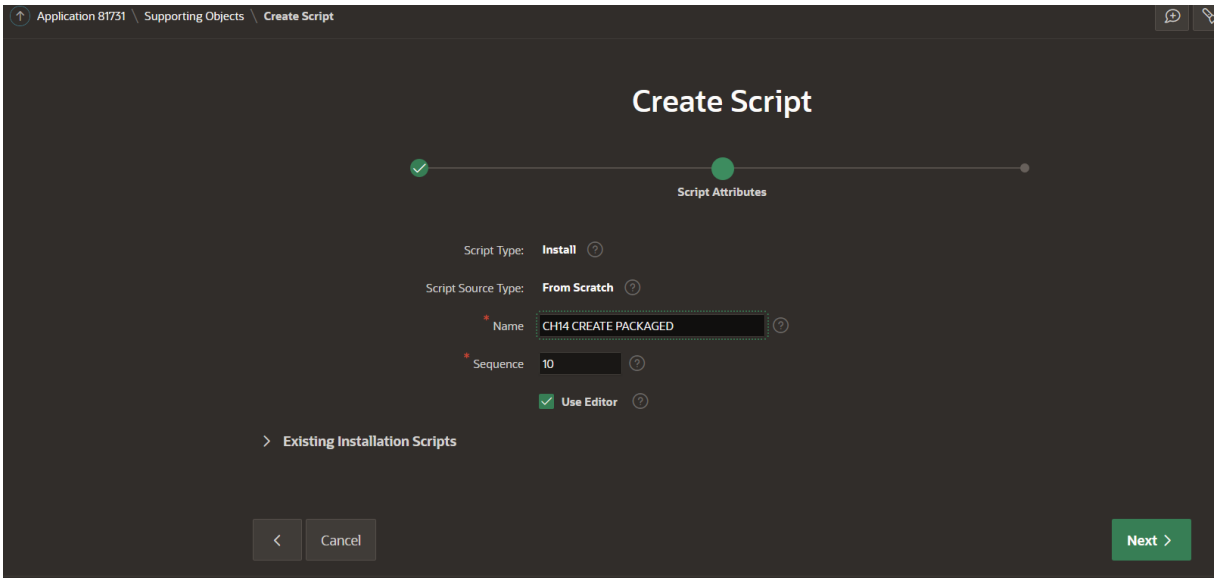


Apply Changes

Application Substitution Strings - Prompt Text: BeeAPEX Chapter 14 App



Installation Scripts – Create – Create From Scratch – Name: CH14 CREATE PACKAGED



Copy this CREATE TABLE statements:

-- create tables

create table ch14_type_of_plant (

```
    id                      number generated by default on null as identity
                            constraint ch14_type_of_plant_id_pk primary key,
    name_of_type_of_plant   varchar2(30 char),
    ch14_is_subtype_of      number
                            constraint ch14_type_of_ch14_is_subty_fk
                            references ch14_type_of_plant on delete cascade
)
;

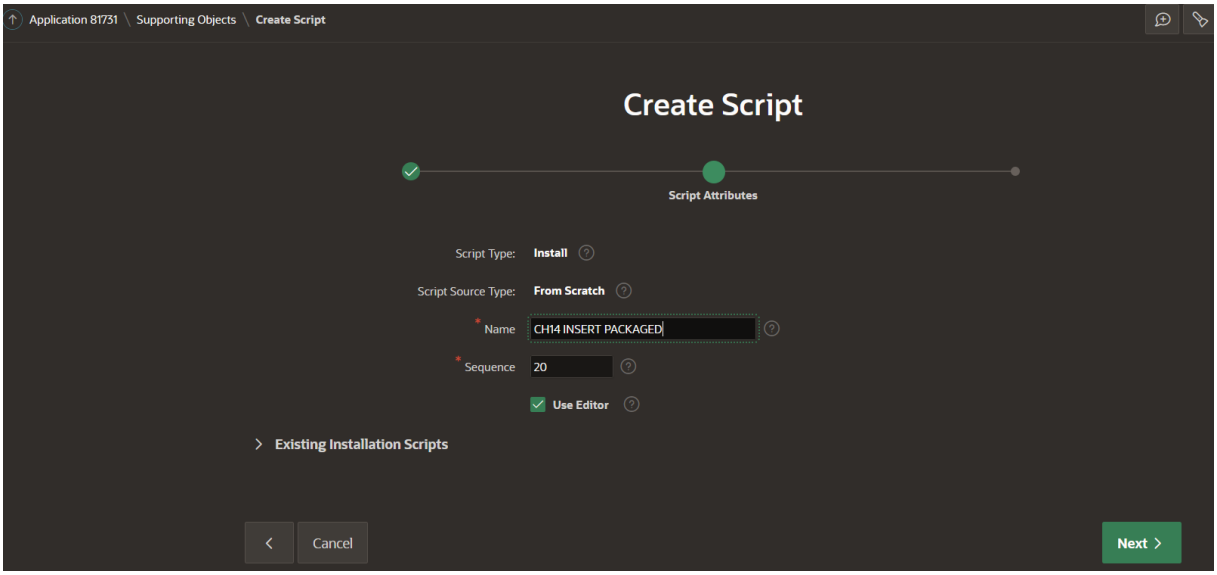
-- table index
create index ch14_type_of_plant_i1 on ch14_type_of_plant (ch14_is_subtype_of);

create table ch14_plants (
    id                      number generated by default on null as identity
                            constraint ch14_plants_id_pk primary key,
    ch14_plant_type_id      number
                            constraint ch14_plants_ch14_plant_type_fk
                            references ch14_type_of_plant on delete cascade,
    names_local             varchar2(100 char),
    names_english           varchar2(100 char),
    name_latin              varchar2(40 char),
    description             varchar2(200 char),
    habitat                 varchar2(50 char),
    cultivation             varchar2(100 char),
    use                     varchar2(100 char),
    photo                   blob,
    hyperlinks              varchar2(100 char),
    status                  varchar2(20 char)
)
;
```

-- table index

create index ch14_plants_i1 on ch14_plants (ch14_plant_type_id);

Installation Scripts – Create – Create From Scratch – Name: CH14 INSERT PACKAGED



Copy this INSERT statements:

```
-- load data

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    1,
    'Compendium GA',
    1
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    2,
    'SOA Upgrade',
    2
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
```

```
    3,
    'Resiliency Monitoring',
    1
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    4,
    'SDK Upgraded for Embedded Syst',
    4
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    5,
    'U88 Application',
    4
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    6,
    'Developer Bug Performance Revi',
    1
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    7,
    'FAQ Automated Publishing',
    6
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    8,
    'Competitive Tracking',
    2
);

insert into ch14_type_of_plant (
```

```
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    9,
    'Inventory Quality Control Upgr',
    8
);

insert into ch14_type_of_plant (
    id,
    name_of_type_of_plant,
    ch14_is_subtype_of
) values (
    10,
    'Checklist Management System',
    5
);

commit;

alter table ch14_type_of_plant
modify id generated by default on null as identity restart start
with 11;

-- load data
-- load data

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    1,
    5,
    'Compendium GA',
    'Nulla ac sapien suscipit tristique ac volutpat risus.Phasellus
vitae ligula commodo, dictum lorem si',
    'Lacinia Arcu In',
    'Placerat pellentesque. Proin.',
    'Porttitor Tincidunt Vestibulum Ante',
    'Diam suscipit elementum sodales. Proin sit amet massa eu lorem
commodo ullamcorper.Interdum et males',
    'Primis in faucibus. Ut id nulla ac sapien suscipit tristique ac
volutpat risus.Phasellus vitae ligul',
    null,
```

```
    'Orci luctus et ultrices posuere cubilia Curae; Proin vulputate
placerat pellentesque. Proin viverra ',
    'Vulputate'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    2,
    3,
    'SOA Upgrade',
    'Risus rhoncus.Cras vulputate porttitor ligula. Nam semper diam
suscipit elementum sodales.',
    'Etiam Cursus Porttitor',
    'Placerat iaculis aliquam. Vestibulum lacinia arcu in massa
pharetra, id mattis risus rhoncus.Cras vulputate porttitor ligula.
Nam semper diam suscipit elementum sodales. Proin sit amet massa eu
lorem ',
    'Ac Volutpat Risusphasellus Vitae',
    'Et malesuada fames ac ante ipsum primis in faucibus. Ut id
nulla ac sapien suscipit tristique ac vol',
    'Amet.',
    null,
    'Sollicitudin elementum. Nulla facilisi. In.',
    'In'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    3,
    5,
    'Resiliency Monitoring',
```

```
    'Eget rhoncus non,molestie sit amet lectus. Nulla placerat
iaculis aliquam. Vestibulum.',
    'Sapien Suscipit Tristique',
    'Volutpat risus.Phasellus vitae ligula commodo, dictum lorem sit
amet, imperdiet ex. Etiam cursus porttitor.',
    'Semper Diam Suscipit Elementum',
    'Ut id nulla ac sapien suscipit tristique ac volutpat
risus.Phasellus vitae ligula commodo, dictum lo',
    'Nec. Donec convallis sollicitudin elementum. Nulla facilisi. In
posuere blandit leoeget malesuada. V',
    null,
    'Nec. Donec convallis sollicitudin elementum. Nulla facilisi. In
posuere.',
    'Amet'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    4,
    7,
    'SDK Upgraded for Embedded System',
    'Posuere cubilia Curae; Proin vulputate placerat pellentesque.
Proin viverra lacinialectus, quis cons',
    'Ex Etiam Cursus',
    'Sit amet massa eu lorem commodo ullamcorper.Interdum et
malesuada fames ac ante ipsum primis in.',
    'Vitae Ligula Commodo Dictum',
    'Ante ipsumprimis in faucibus orci luctus et ultrices posuere
cubilia Curae; Proin vulputate placerat',
    'Eget rhoncus non,molestie sit amet lectus. Nulla placerat
iaculis aliquam. Vestibulum lacinia arcu i',
    null,
    'Id nulla ac sapien suscipit tristique ac volutpat
risus.Phasellus vitae ligula commodo, dictum lorem',
    'Rhoncus'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
```

```
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    5,
    1,
    'U88 Application',
    'Eu lorem commodo ullamcorper.Interdum et malesuada fames ac.',
    'Viverra Lacinialectus Quis',
    'Sapien suscipit tristique ac volutpat risus.Phasellus vitae
ligula commodo, dictum lorem sit amet, imperdiet ex. Etiam cursus
porttitor tincidunt. Vestibulum ante ipsumprimis in faucibus orci
luctus e',
    'Lacinialectus Quis Consectetur Mi',
    'In massa pharetra, id mattis risus rhoncus.Cras vulputate
porttitor ligula. Nam semper diam suscipit',
    'Convallis sollicitudin elementum. Nulla facilisi. In posuere
blandit leoeget malesuada. Vivamus effi',
    null,
    'Ex. Etiam cursus porttitor tincidunt. Vestibulum ante
ipsumprimis in faucibus orci luctus et ultrice',
    'Massa'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    6,
    1,
    'Developer Bug Performance Review',
    'Placerat iaculis aliquam.',
    'Ex Etiam Cursus',
    'Lorem commodo ullamcorper.Interdum et malesuada fames ac ante
ipsum primis in faucibus. Ut id nulla ac sapien suscipit tristique
ac volutpat risus.Phasellus vitae ligula commodo, dictum lorem sit
amet',
    'Fames Ac Ante Ipsum',
    'Arcu in massa pharetra, id mattis risus rhoncus.Cras vulputate
porttitor ligula. Nam semper diam sus',
    'Vestibulum lacinia arcu.',
    null,
```

```
    'Lacinia arcu in massa pharetra, id mattis risus rhoncus.Cras
vulputate porttitor ligula. Nam semper ',
    'Rhoncus'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    7,
    9,
    'FAQ Automated Publishing',
    'Sit amet, imperdiet ex. Etiam cursus porttitor tincidunt.
Vestibulum ante ipsumprimis in faucibus or',
    'Nulla Ac Sapien',
    'In faucibus orci luctus et ultrices posuere cubilia Curae;
Proin vulputate placerat pellentesque. Proin viverra lacinialectus,
quis consectetur mi venenatis nec. Donec convallis.',
    'Placerat Pellentesque Proin Viverra',
    'Sit amet, imperdiet ex. Etiam cursus porttitor tincidunt.
Vestibulum ante ipsumprimis in faucibus or',
    'Risus rhoncus.Cras vulputate porttitor ligula. Nam semper diam
suscipit elementum sodales. Proin sit',
    null,
    'Porttitor ligula. Nam semper diam suscipit elementum sodales.
Proin sit amet massa eu lorem commodo ',
    'Ullamcorperinterdum'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    8,
    1,
    'Competitive Tracking',
```

```
    'Ipsum primis in faucibus. Ut id nulla ac sapien suscipit
tristique.',
    'Ac Ante Ipsum',
    'Fames ac ante ipsum primis in faucibus. Ut id nulla ac sapien
suscipit tristique ac volutpat risus.Phasellus vitae ligula commodo,
dictum lorem sit amet, imperdiet.',
    'Arcu In Massa Pharetra',
    'Imperdiet ex. Etiam cursus porttitor.',
    'In massa pharetra, id mattis risus rhoncus.Cras vulputate
porttitor ligula. Nam semper diam suscipit',
    null,
    'Vulputate porttitor ligula. Nam semper diam suscipit elementum
sodales. Proin sit amet massa eu lore',
    'Amet'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    9,
    4,
    'Inventory Quality Control Upgrade',
    'Nulla ac sapien suscipit tristique ac volutpat risus.Phasellus
vitae ligula commodo, dictum lorem si',
    'Arcu In Massa',
    'Lorem sit amet, imperdiet ex. Etiam cursus porttitor tincidunt.
Vestibulum ante ipsumprimis in faucibus orci luctus et ultrices
posuere cubilia Curae; Proin vulputate placerat pellentesque. Proin
vive',
    'Ac Ante Ipsum Primis',
    'Ac sapien suscipit tristique ac volutpat risus.Phasellus vitae
ligula commodo, dictum lorem.',
    'Curae; Proin vulputate placerat pellentesque. Proin viverra
lacinialectus, quis consectetur mi venen',
    null,
    'Sodales. Proin sit amet massa eu lorem commodo
ullamcorper.Interdum et malesuada fames ac ante ipsum',
    'Ac'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
```

```
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    10,
    10,
    'Checklist Management System',
    'Ac sapien suscipit tristique ac volutpat risus.Phasellus vitae
ligula commodo, dictum lorem sit amet',
    'Mi Venenatis Nec',
    'Suscipit tristique ac volutpat risus.Phasellus vitae ligula
commodo, dictum lorem sit amet, imperdiet ex. Etiam cursus porttitor
tincidunt. Vestibulum ante ipsumprimis in faucibus orci luctus et
ultri',
    'Risusphasellus Vitae Ligula Commodo',
    'Eu lorem commodo ullamcorper.Interdum et malesuada fames ac
ante ipsum primis in faucibus. Ut id nul',
    'Mi venenatis nec. Donec convallis sollicitudin elementum. Nulla
facilisi. In posuere blandit leoeget',
    null,
    'Orci luctus et ultrices posuere cubilia Curae; Proin vulputate
placerat pellentesque. Proin viverra ',
    'Donec'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    11,
    6,
    'CMS Training',
    'Ac volutpat risus.Phasellus vitae ligula commodo, dictum lorem
sit amet, imperdiet ex. Etiam cursus ',
    'Tristique Ac Volutpat',
    'In massa pharetra, id mattis risus rhoncus.Cras vulputate
porttitor.',
    'Eget Rhoncus Nonmolestie Sit',
    'Nulla placerat iaculis aliquam. Vestibulum lacinia arcu in
massa pharetra, id mattis risus rhoncus.C',
```

```
    'Donec convallis sollicitudin elementum. Nulla facilisi. In
posuere.',
    null,
    'Ut id nulla ac sapien suscipit tristique ac volutpat
risus.Phasellus vitae ligula commodo, dictum lo',
    'Lectus'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    12,
    10,
    'Battery Upgrade',
    'Et malesuada fames ac ante ipsum primis in faucibus. Ut id
nulla ac sapien suscipit tristique ac vol',
    'Proin Sit Amet',
    'Nulla ac sapien suscipit tristique ac volutpat risus.Phasellus
vitae ligula commodo, dictum lorem sit amet, imperdiet ex. Etiam
cursus porttitor tincidunt. Vestibulum ante ipsumprimis in faucibus
orci',
    'Massa Pharetra Id Mattis',
    'Volutpat risus.Phasellus vitae ligula commodo, dictum lorem sit
amet, imperdiet ex. Etiam cursus por',
    'Aliquam. Vestibulum lacinia arcu in massa pharetra, id mattis
risus rhoncus.Cras vulputate porttitor',
    null,
    'Sollicitudin elementum. Nulla facilisi. In posuere blandit
leoeget malesuada. Vivamus efficitur ipsu',
    'Et'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
```

```
) values (
    13,
    6,
    'Managed Portal',
    'Lorem sit amet, imperdiet ex. Etiam cursus porttitor tincidunt.
Vestibulum ante ipsumprimis in fauci',
    'Vestibulum Lacinia Arcu',
    'Eu lorem commodo ullamcorper.Interdum et malesuada fames ac
ante ipsum primis in faucibus. Ut id nulla ac sapien suscipit
tristique ac volutpat risus.Phasellus vitae ligula commodo, dictum
lorem sit a',
    'Suscipit Elementum Sodales Proin',
    'Faucibus orci luctus et ultrices posuere cubilia Curae; Proin
vulputate placerat pellentesque. Proin',
    'Ac sapien suscipit tristique ac volutpat risus.Phasellus vitae
ligula commodo.',
    null,
    'Rhoncus non,molestie sit amet lectus. Nulla placerat iaculis
aliquam. Vestibulum lacinia arcu in mas',
    'Lacinialectus'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    14,
    3,
    'XML to JSON API transition',
    'Ligula. Nam semper diam suscipit elementum sodales. Proin sit
amet.',
    'Ac Sapien Suscipit',
    'Aliquam. Vestibulum lacinia arcu in massa pharetra, id mattis
risus rhoncus.Cras vulputate porttitor ligula. Nam semper diam
suscipit elementum sodales. Proin sit amet massa eu lorem.',
    'Suscipit Tristique Ac Volutpat',
    'Porttitor ligula. Nam semper diam suscipit elementum sodales.
Proin sit amet massa eu lorem commodo ',
    'Risus.Phasellus vitae ligula commodo, dictum lorem sit amet,
imperdiet ex. Etiam cursus porttitor ti',
    null,
    'Id nulla ac sapien suscipit tristique ac volutpat
risus.Phasellus vitae ligula commodo, dictum lorem',
    'Sollicitudin'
);
```

```
insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    15,
    5,
    'F5 Network Upgrade',
    'Eu lorem commodo ullamcorper.Interdum et malesuada fames ac
ante ipsum primis in faucibus. Ut id nul',
    'Imperdiet Ex Etiam',
    'Semper diam suscipit elementum sodales. Proin sit amet massa eu
lorem commodo ullamcorper.Interdum et malesuada fames ac ante ipsum
primis in faucibus. Ut id nulla.',
    'Nam Semper Diam Suscipit',
    'Sollicitudin elementum. Nulla facilisi. In posuere blandit
leoeget malesuada. Vivamus efficitur ipsu',
    'Luctus et ultrices posuere cubilia Curae; Proin vulputate
placerat pellentesque. Proin viverra lacin',
    null,
    'Et malesuada fames ac ante ipsum primis in faucibus. Ut id
nulla ac sapien suscipit tristique ac vol',
    'Proin'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    16,
    4,
    'Artifact Management System',
    'Sollicitudin elementum. Nulla facilisi. In posuere blandit
leoeget malesuada. Vivamus efficitur ipsu',
    'Convallis Sollicitudin Elementum',
    'Proin vulputate placerat pellentesque. Proin viverra
lacinialectus, quis consectetur mi venenatis nec. Donec convallis
```

```
sollicitudin elementum. Nulla facilisi. In posuere blandit leoeget
malesuada. Viv',
    'Diam Suscipit Elementum Sodales',
    'Ac sapien suscipit tristique ac volutpat risus.Phasellus vitae
ligula commodo, dictum lorem.',
    'Risus.Phasellus vitae ligula commodo, dictum lorem sit amet,
imperdiet ex. Etiam cursus porttitor ti',
    null,
    'Ante ipsum primis in faucibus. Ut id nulla ac sapien suscipit
tristique ac volutpat risus.Phasellus ',
    'Consectetur'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    17,
    4,
    'Buying Behavior AI Module',
    'Nulla placerat iaculis aliquam. Vestibulum lacinia arcu in.',
    'Porttitor Ligula Nam',
    'Arcu in massa pharetra, id mattis risus rhoncus.Cras vulputate
porttitor ligula. Nam semper diam suscipit elementum sodales. Proin
sit amet massa eu lorem commodo ullamcorper.Interdum et malesuada
fam',
    'Elementum Nulla Facilisi In',
    'Malesuada fames ac ante ipsum primis in faucibus. Ut id nulla
ac sapien suscipit tristique ac volutp',
    'Ligula. Nam semper diam suscipit elementum sodales. Proin sit
amet massa eu lorem commodo ullamcorpe',
    null,
    'Risus rhoncus.Cras vulputate porttitor ligula. Nam semper diam
suscipit elementum sodales.',
    'Nulla'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
```

```
    use,
    photo,
    hyperlinks,
    status
) values (
    18,
    4,
    'Distribution Subsidiary Integration',
    'Pharetra, id mattis risus rhoncus.Cras vulputate porttitor
ligula. Nam semper diam suscipit elementu',
    'Etiam Cursus Porttitor',
    'Aliquam. Vestibulum lacinia arcu in massa pharetra, id mattis
risus rhoncus.Cras vulputate porttitor ligula. Nam semper diam
suscipit elementum sodales. Proin sit amet massa eu lorem commodo
ullamcorp',
    'Elementum Sodales Proin Sit',
    'Luctus et ultrices posuere cubilia Curae; Proin vulputate
placerat pellentesque.',
    'Faucibus. Ut id nulla ac sapien suscipit.',
    null,
    'Nulla facilisi. In posuere blandit leoeget malesuada. Vivamus
efficitur.',
    'Ex'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    19,
    4,
    'CMOS Memory Upgrade',
    'Luctus et ultrices posuere cubilia Curae; Proin vulputate
placerat pellentesque. Proin viverra lacin',
    'Sit Amet Lectus',
    'Pellentesque. Proin viverra lacinialectus, quis consectetur mi
venenatis nec. Donec convallis sollicitudin elementum. Nulla
facilisi. In posuere blandit leoeget malesuada. Vivamus efficitur
ipsum tell',
    'Elementum Sodales Proin Sit',
    'Ac sapien suscipit tristique ac volutpat risus.Phasellus vitae
ligula commodo, dictum lorem sit amet',
    'Suscipit tristique ac volutpat risus.Phasellus vitae ligula
commodo, dictum lorem sit amet, imperdie',
    null,
    'Eu lorem commodo ullamcorper.Interdum et malesuada fames ac.',
```

```
    'Etiam'
);

insert into ch14_plants (
    id,
    ch14_plant_type_id,
    names_local,
    names_english,
    name_latin,
    description,
    habitat,
    cultivation,
    use,
    photo,
    hyperlinks,
    status
) values (
    20,
    8,
    'Dynamic Optimization Portal',
    'Nulla placerat iaculis aliquam. Vestibulum lacinia arcu in.',
    'Pellentesque Proin Viverra',
    'Porttitor tincidunt. Vestibulum ante ipsumprimis in faucibus
orci luctus et ultrices posuere cubilia Curae; Proin vulputate
placerat pellentesque. Proin viverra lacinialectus, quis consectetur
mi vene',
    'Lectus Nulla Placerat Iaculis',
    'Posuere cubilia Curae; Proin vulputate placerat pellentesque.
Proin viverra lacinialectus, quis cons',
    'Eu lorem commodo ullamcorper.Interdum et malesuada fames ac
ante ipsum primis in faucibus. Ut id nul',
    null,
    'Posuere cubilia Curae; Proin vulputate placerat pellentesque.
Proin viverra lacinialectus, quis cons',
    'Amet'
);

commit;

alter table ch14_plants
modify id generated by default on null as identity restart start
with 21;

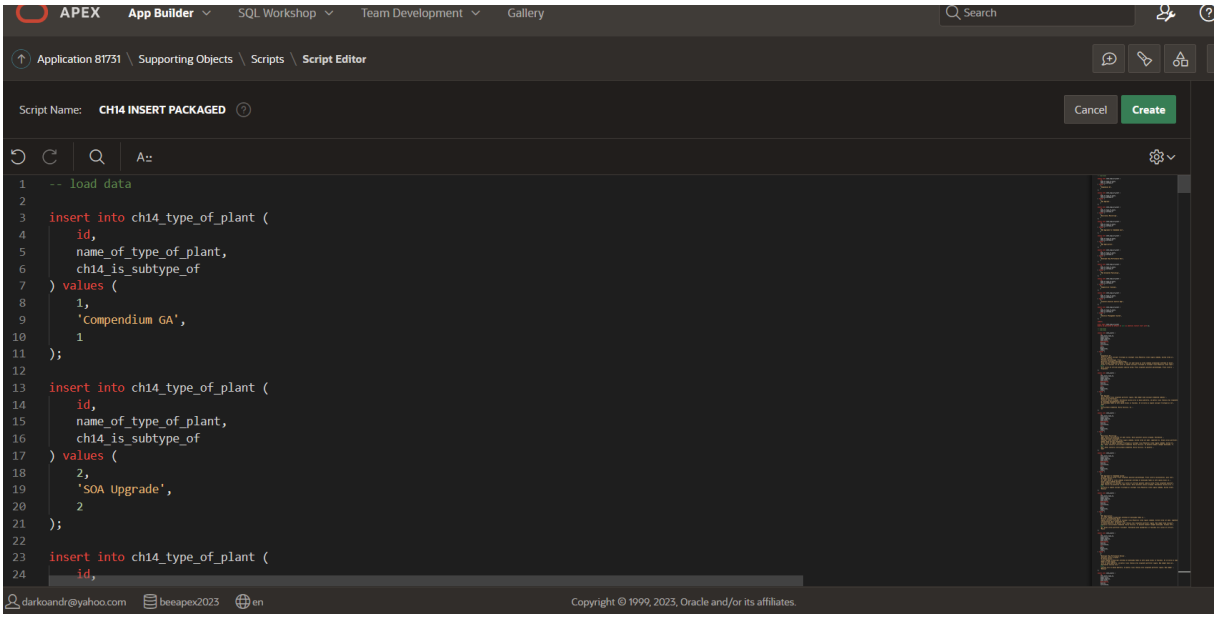

-- Generated by Quick SQL Tuesday May 09, 2023  07:36:49

/*
ch14_type_of_plant /insert 10
    name_of_type_of_plant vc30
    ch14_is_subtype_of num /fk ch14_type_of_plant

ch14_plants /insert 20
        ch14_plant_type_id num /fk ch14_type_of_plant
        names_local vc100
        names_english vc100
        name_latin vc40
```

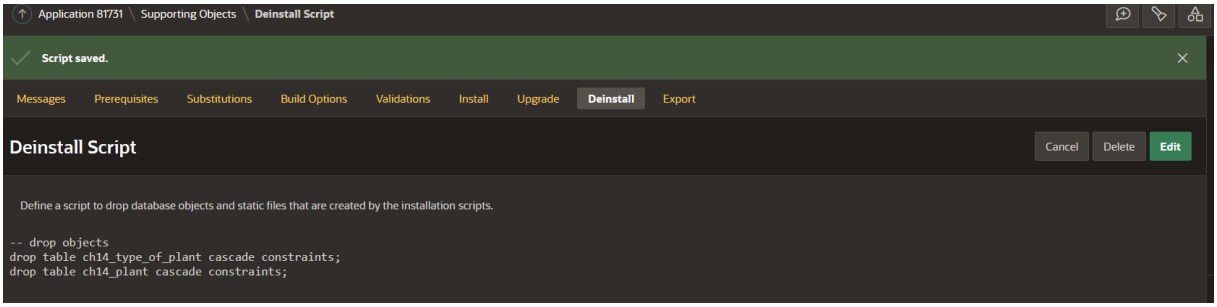
```
        description vc200
        habitat vc50
        cultivation vc100
        use vc100
        photo blob
        hyperlinks vc100
        status vc20

# settings = { semantics: "CHAR", language: "EN", APEX: true }
*/
```

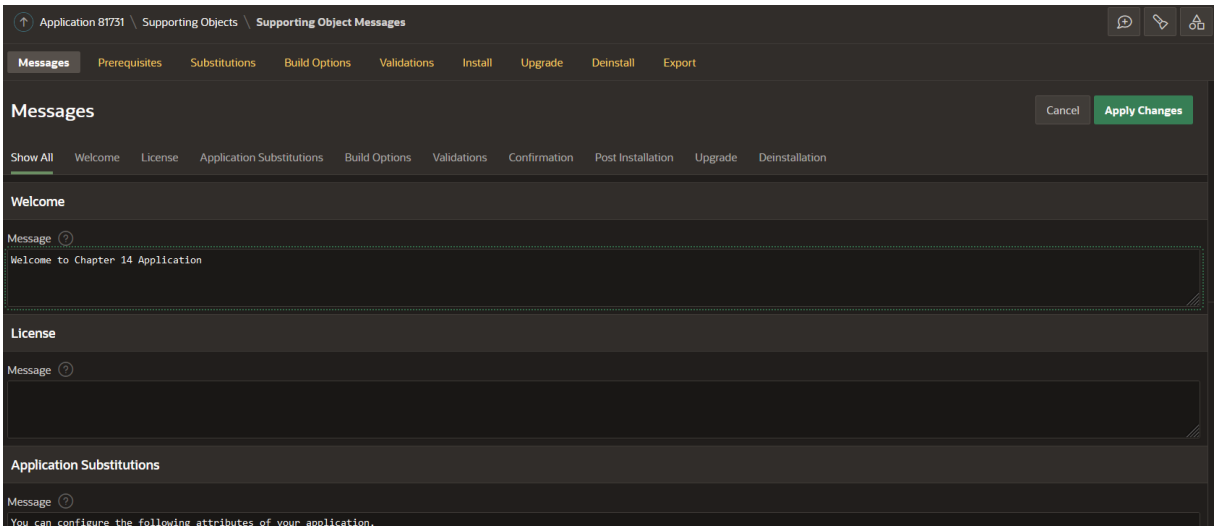


Supporting Objects - Deinstallation Script – Create – Create from Scratch:

```
-- drop objects
drop table ch14_type_of_plant cascade constraints;
drop table ch14_plant cascade constraints;
```



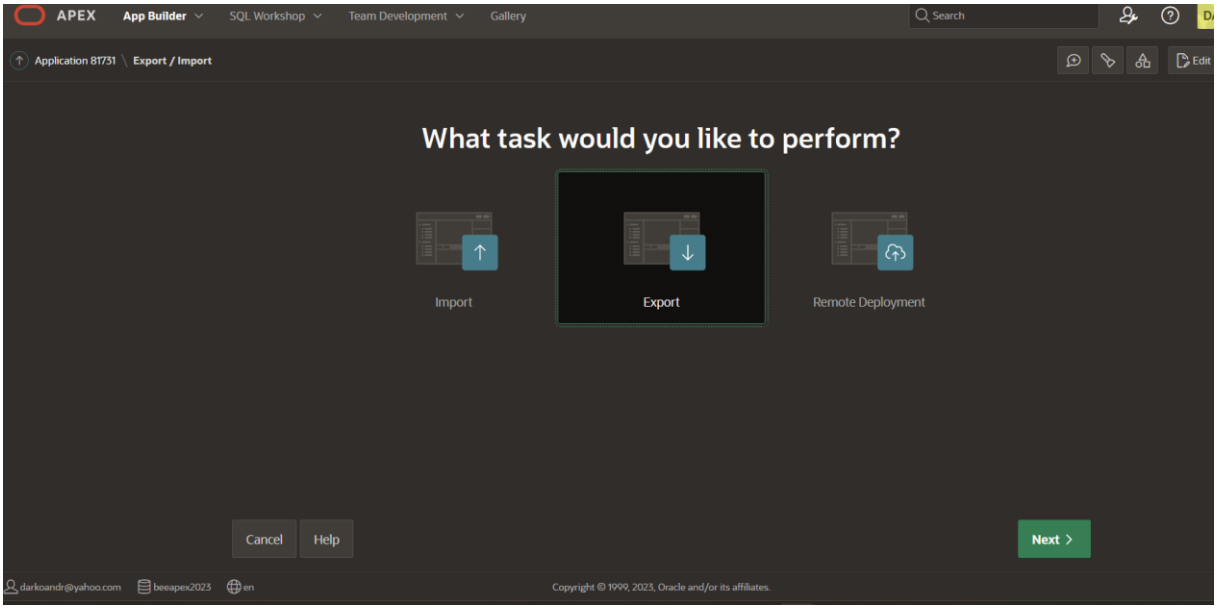
Supporting Objects – Messages – change Message to: Welcome to Chapter 14 Application



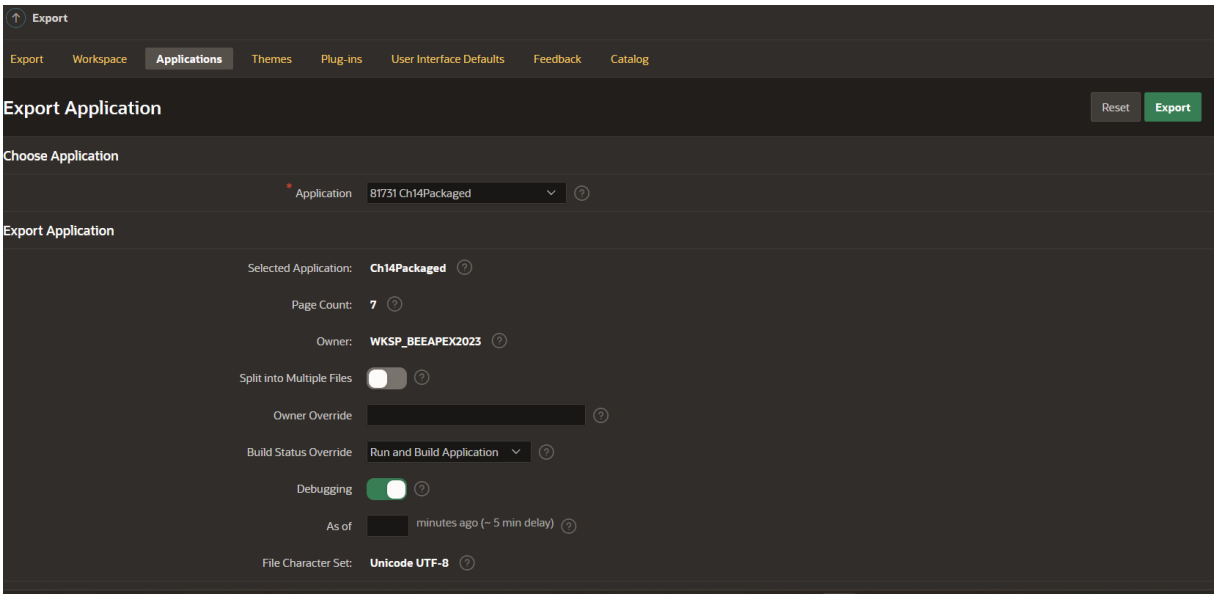
You can also changes the other messages in this section

The next step is to Export the application:

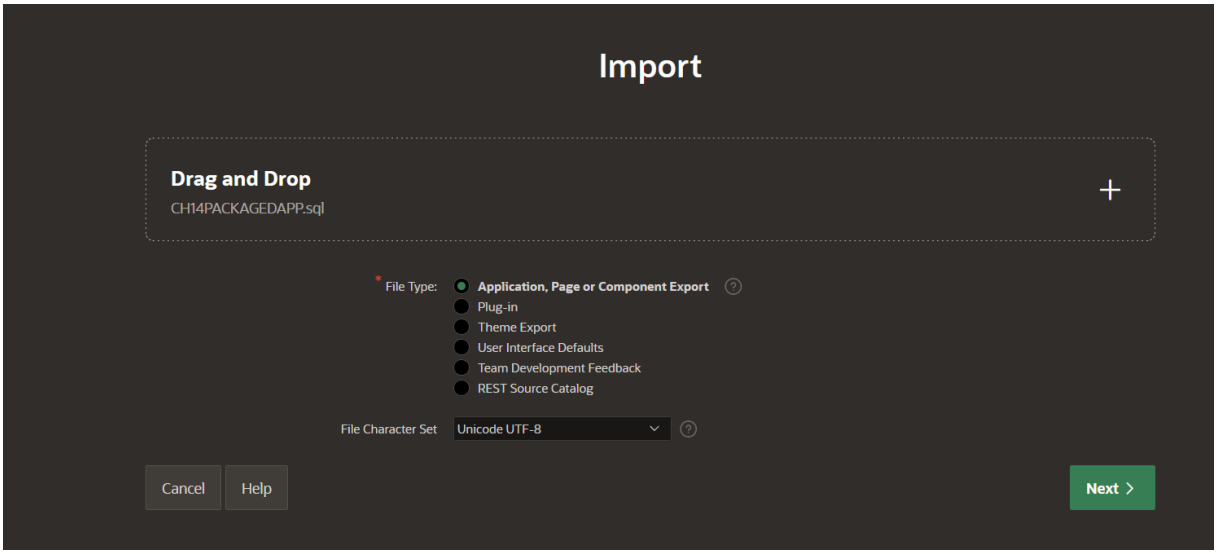
Select the application in App Builder – Export/import



Choose Export



You can now save the SQL file of the packaged application and you can import it into another Workspace by logging in – Choose App Builder - Import – drag & drop the file and Install Application and set up Application Acess

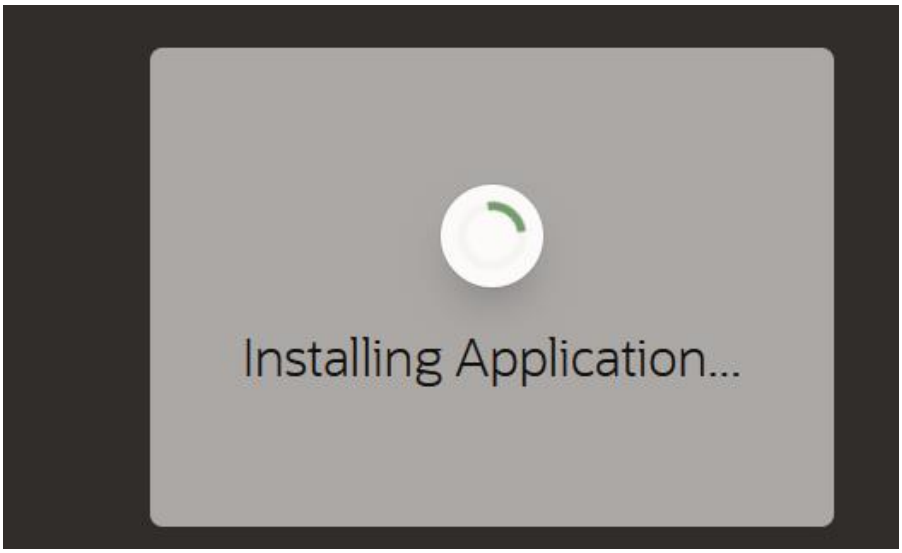


Install Application

Install

When you install an application having the same ID as an existing application in the current workspace, the existing application is deleted and then replaced by the new application. If you attempt to install an application having the same ID as an existing application in a different workspace, a benign error message displays. If you are importing an Oracle APEX application, the installation wizard will allow you to install supporting objects.

Current Workspace:	**FOI2022_DANDROCEC**
Export File Workspace ID:	**69310892523770865194**
Export File Application ID:	**81731**
Export File Version:	**2023.04.28**
Export File Parsing Schema:	**WKSP_BEEAPEX2023**
Application Origin:	**This application was exported from another workspace.**
* Parsing Schema	WKSP_FOI2022DANDROCEC
* Build Status	Run and Build Application
* Install As Application:	**Auto Assign New Application ID** Reuse Application ID 81731 From Export File Change Application ID



Install Application

Supporting Objects

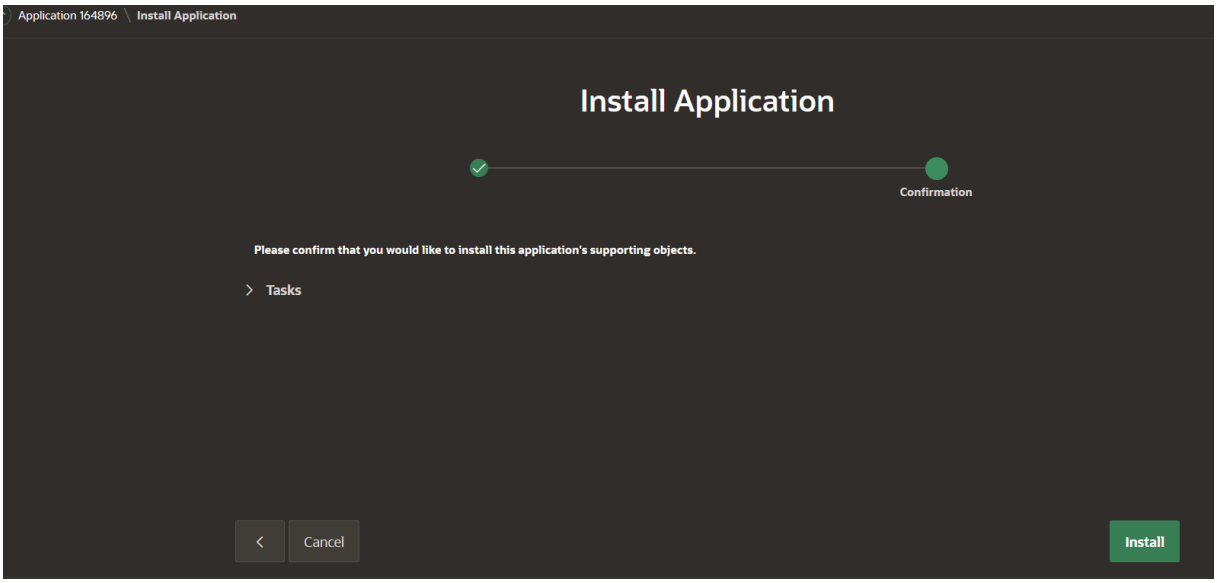
This application installer will guide you through the process of creating your database objects and seed data.

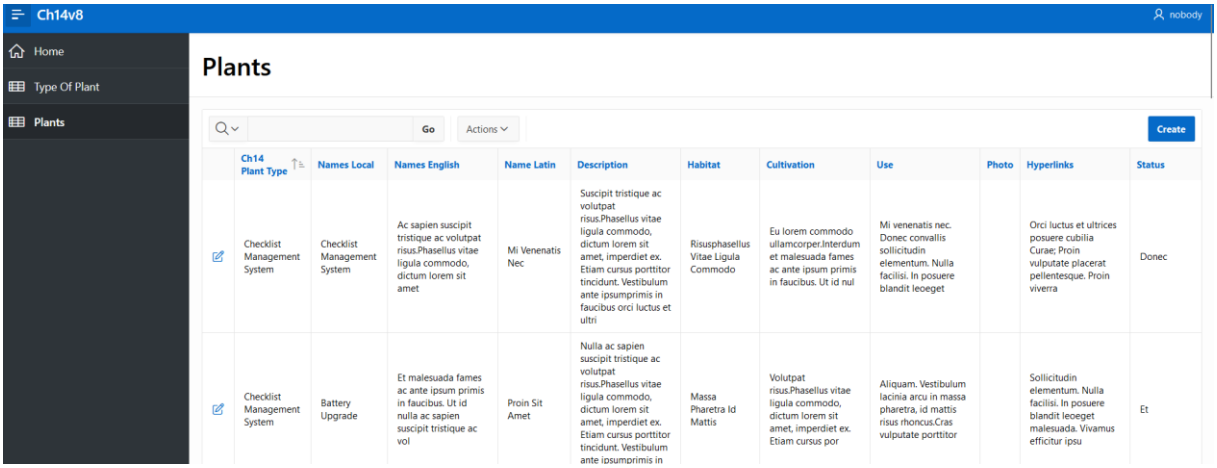
Application:	**164896 - Ch14Packaged**
Parsing Schema:	**WKSP_FOI2022DANDROCEC**
Free Space Required in KB:	**100**
Install Supporting Objects:	

> **Tasks**

Cancel

Next >





Literature

1. Oracle, SQL Workshop Guide - 4.3 Using Quick SQL, https://docs.oracle.com/en/database/oracle/application-express/19.1/aeutl/using-quick-SQL.html#GUID-21EE36C2-F814-48C0-90EA-7D464E9014FD, Accessed 4.5.2023.