Installation Manual

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ERN

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# EXECUTIVE SUMMARY

## Objective

Installation Manual

## Goals

1. Install the following on a window / macOS:-
   * JDK 1.8
   * Eclipse Photon
   * ERN Version 1.0 build
   * Wildfly 13
   * PostgeSql 10
2. Deploy the application
3. Start the server
4. Login

## Procedure

**JDK 1.8**

* Download and install from the below URL:-
  + <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

**PostgreSql 10**

* Download and install from the below URL:-
  + <https://www.postgresql.org/download/>
* Install the following:-
  + PostgreSql 10

company name

* + - Give the user id / password as postgres / postgres
  + pgAdmin 4
  + JDBC Driver
* Once all of the above softwares are installed then open the pgAdmin 4 console
  + Login with the password
  + Click as follows:-
    - Tools —> Query Tool
    - Create the followings:-
      * hibernate\_sequence

-- Table: public.hibernate\_sequence

CREATE TABLE public.hibernate\_sequence

(

next\_val numeric

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public.hibernate\_sequence

OWNER to postgres;

* + - * t\_roles

-- Table: public.t\_roles

-- DROP TABLE public.t\_roles;

CREATE TABLE public.t\_roles

(

role\_id numeric(40,0) NOT NULL,

role\_code character varying(10) COLLATE pg\_catalog."default" NOT NULL,

role\_desc character varying(240) COLLATE pg\_catalog."default",

CONSTRAINT t\_roles\_pkey1 PRIMARY KEY (role\_id, role\_code)

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public.t\_roles

OWNER to postgres;

COMMENT ON TABLE public.t\_roles

IS 'Roles Master';

* + - t\_users

-- Table: public.t\_users

CREATE TABLE public.t\_users

(

user\_id character varying(255) COLLATE pg\_catalog."default" NOT NULL,

user\_name character varying(20) COLLATE pg\_catalog."default",

user\_password character varying(255) COLLATE pg\_catalog."default",

CONSTRAINT t\_users\_pkey PRIMARY KEY (user\_id)

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public.t\_users

OWNER to postgres;

* + t\_user\_role

-- Table: public.t\_user\_roles

-- DROP TABLE public.t\_user\_roles;

CREATE TABLE public.t\_user\_roles

(

role\_code character varying(255) COLLATE pg\_catalog."default" NOT NULL,

user\_id character varying(255) COLLATE pg\_catalog."default",

role\_id numeric NOT NULL,

CONSTRAINT t\_user\_role\_pkey PRIMARY KEY (role\_id)

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public.t\_user\_roles

OWNER to postgres;

COMMENT ON COLUMN public.t\_user\_roles.role\_id

IS 'Primary Key';

COMMENT ON CONSTRAINT t\_user\_role\_pkey ON public.t\_user\_roles

IS 'Primary Key’;

* Insert the following records:-

INSERT INTO public.t\_user\_roles(role\_id, role\_code, user\_id) VALUES (1,’EMPLOYEE’,’SANDEEP’);

INSERT INTO public.t\_user\_roles(role\_id, role\_code, user\_id) VALUES (1,’SUPERUSER’,’SANDEEP’);

INSERT INTO public.t\_roles(

role\_id, role\_code, role\_desc) VALUES (1,’SUPERUSER’,’Supreme User’);

INSERT INTO public.t\_roles(

role\_id, role\_code, role\_desc) VALUES (1,’EMPLOYEE’,’Only access to employee area’);

INSERT INTO public.t\_users(user\_id, user\_name, user\_password) VALUES (‘SANDEEP’,’SANDEEP CHAUHAN’,’$2a$10$hbxecwitQQ.dDT4JOFzQAulNySFwEpaFLw38jda6Td.Y/cOiRzDFu’);

Click on “Save File” button

**Eclipse Photon**

* Download and install from the below URL:-
  + <https://www.eclipse.org/downloads/download.php>
  + Install the Java EE perspective

**ERN**

* Download the latest version of ERN project from the GitHub (<https://github.com/Ernweb/ERN>)
* Import the project into eclipse:-
  + File—> Import
  + Choose ERN folder from the hard disk drive
* Convert the project as Maven:-
  + Right click on the project folder —> Configure —> Convert to Maven Project
* Update the Maven Project to update the dependencies:-
  + Right click on the project folder —> Maven —> Update Project
* Build the project
  + Right click on the project folder —> Run As —> Maven build…
  + Enter the goals as “eclipse:clean eclipse:eclipse”
  + Save the changes
* The build should end with success

**Wildly 13**

* Eclipse —> Servers tab
* Click on the hyperlink to install the new application server
* Follow the wizard process to install Wildly 13 application server
* Set the following ports (Wildfly 13 —> XML Configuration —> Ports —> Jboss Management (double click)):-
  + jboss.management.http.port as 7000
  + jboss.http.port as 7001
* Deploy the application
  + Right click “Wildfly 13” and then “Add”
  + Add ern to the “Configured”
  + Select the checkbox “If server is started, publish changes immediately”
  + Start the server

**Login**

URL: <http://localhost:7001/ern/login.xhtml>

User Id: SANDEEP

Password: admin@123

**Troubleshooting:-**

Please restart the system after each installation step to get the expected results.