

SAP HANA Web-based Development Workbench



Editor
Create, edit, execute, debug and manage HANA Repository artifacts



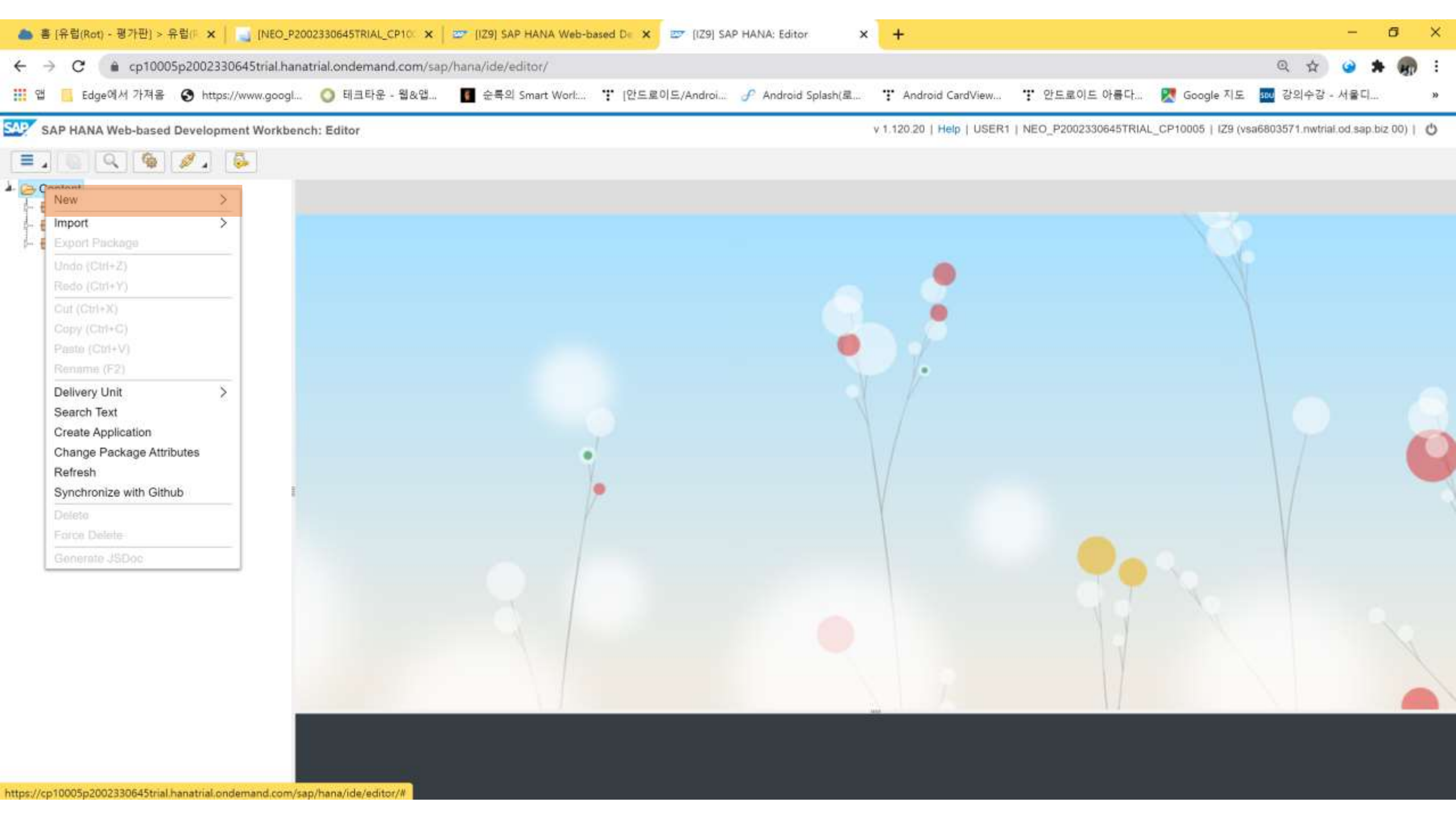
Catalog
Create, edit, execute and manage HANA DB SQL catalog artifacts

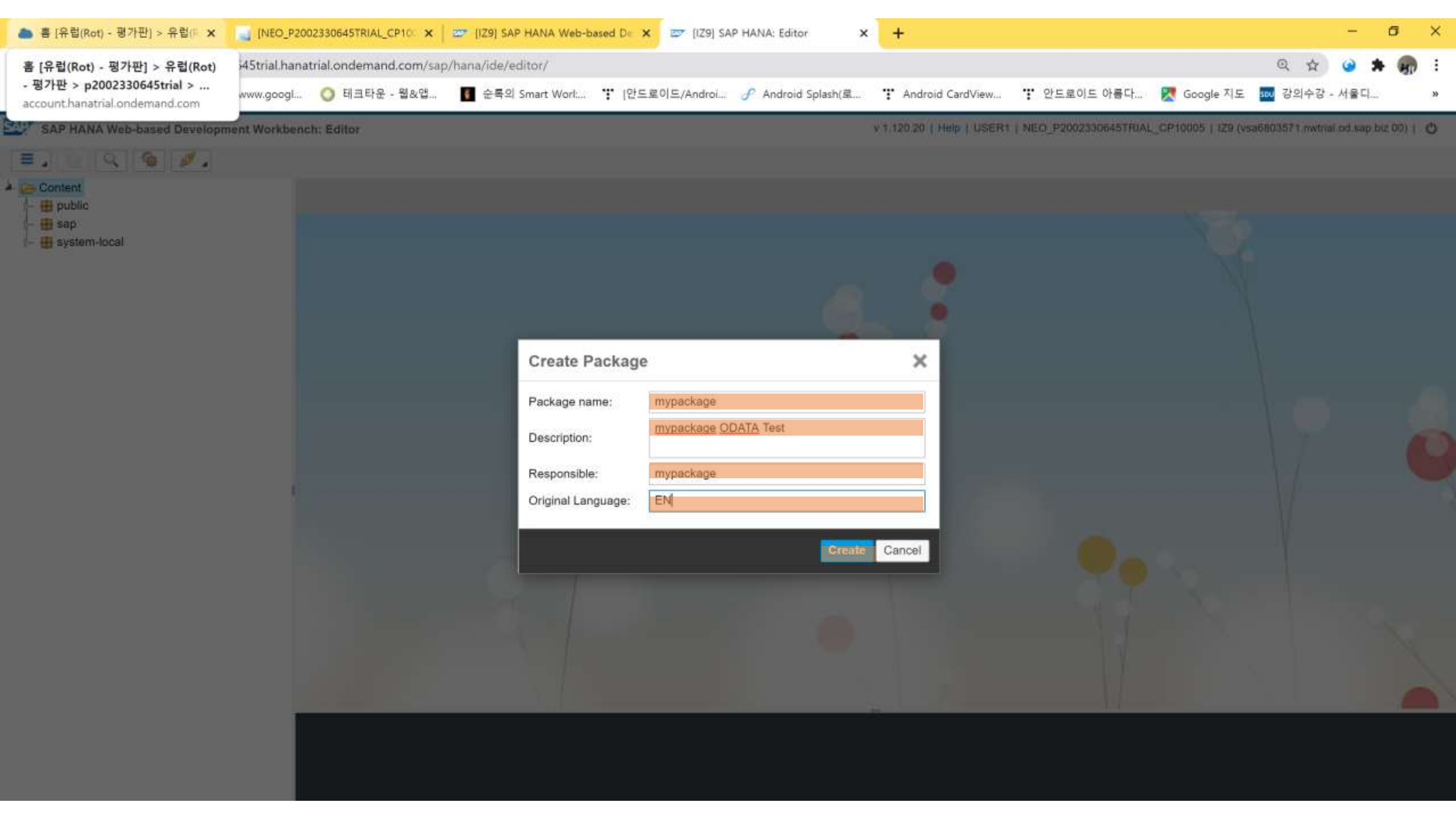


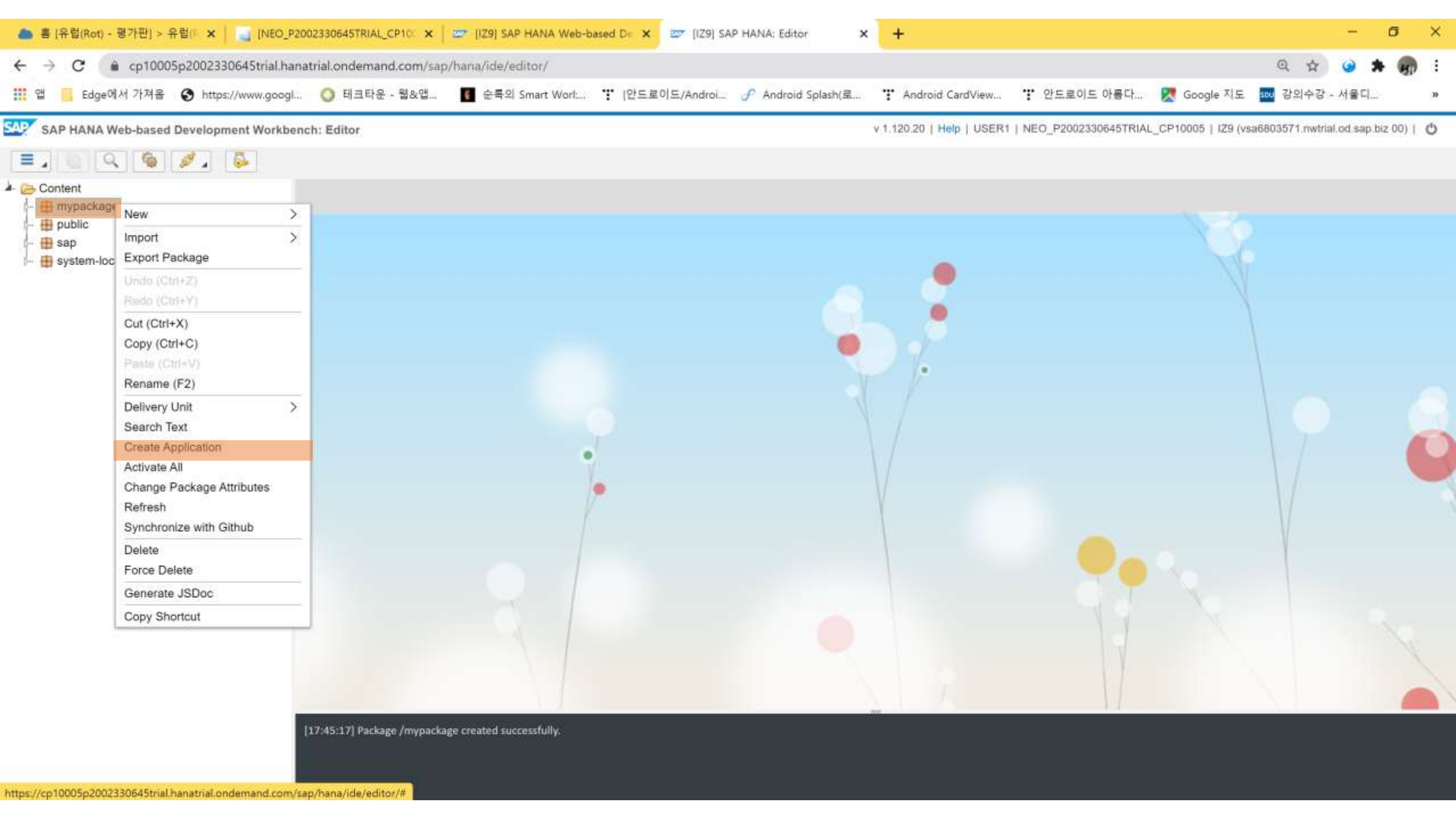
Security
Create users, create roles, assign objects and manage security

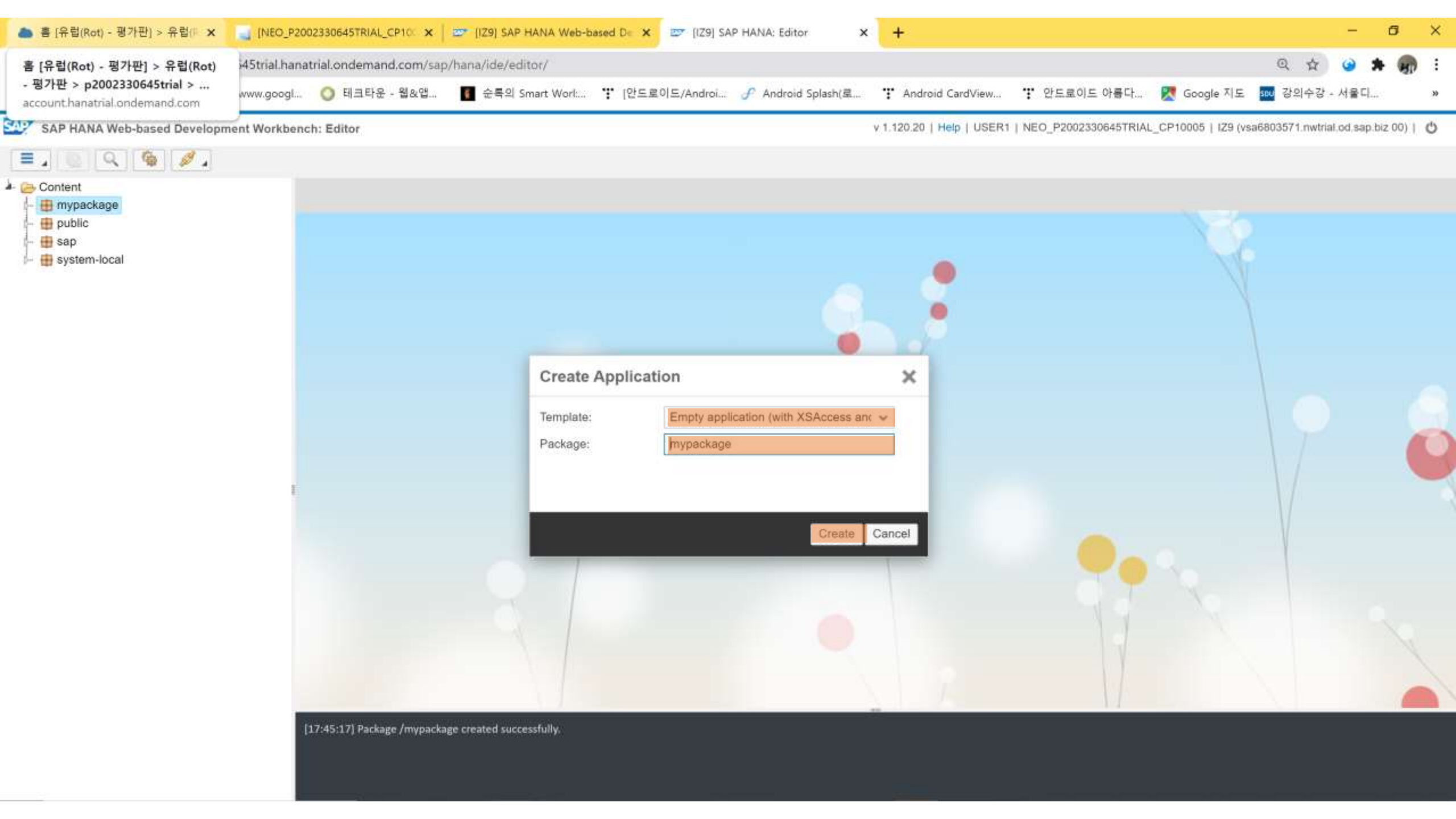


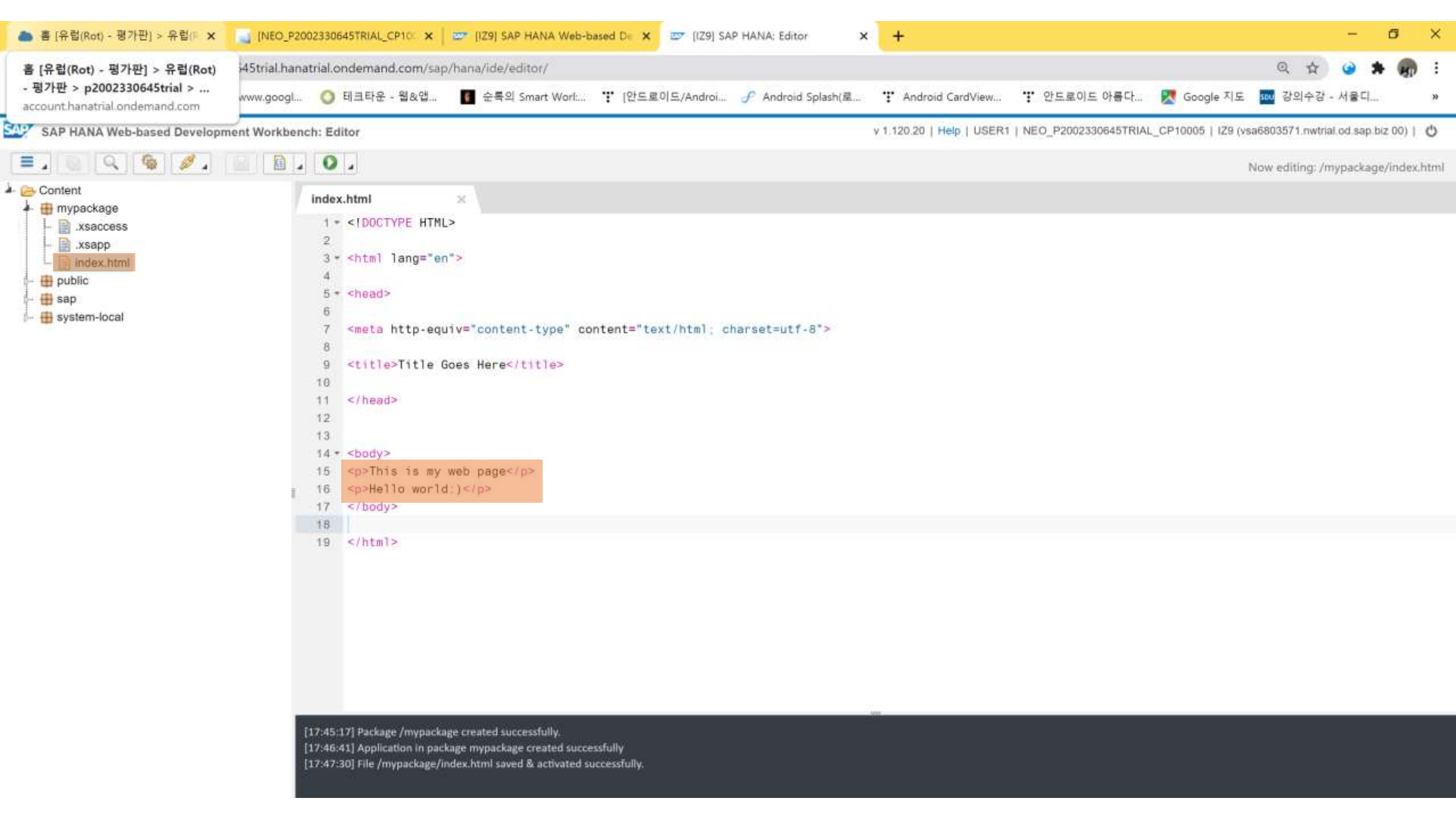
Traces
View, download traces for HANA applications, set trace levels

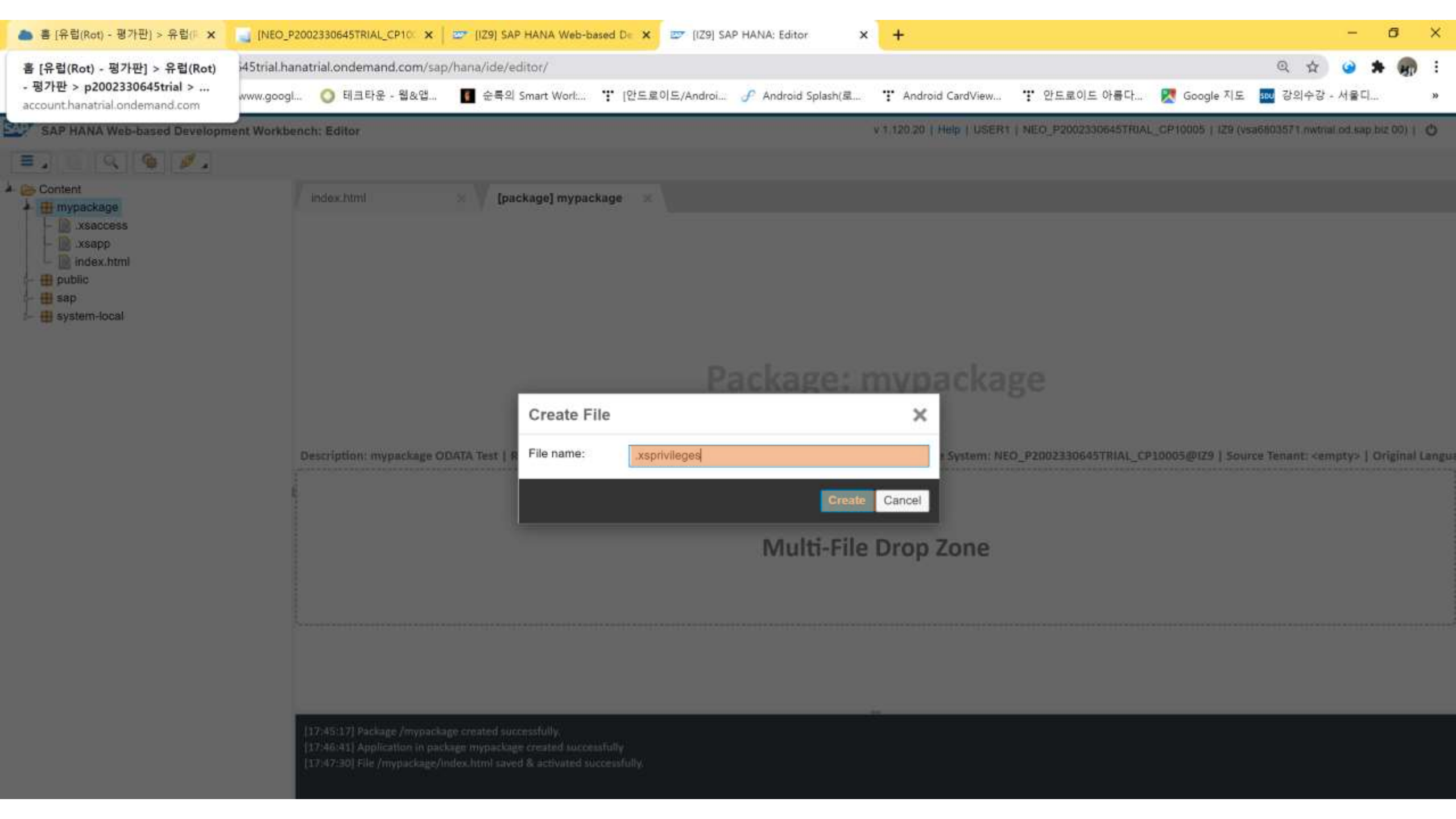












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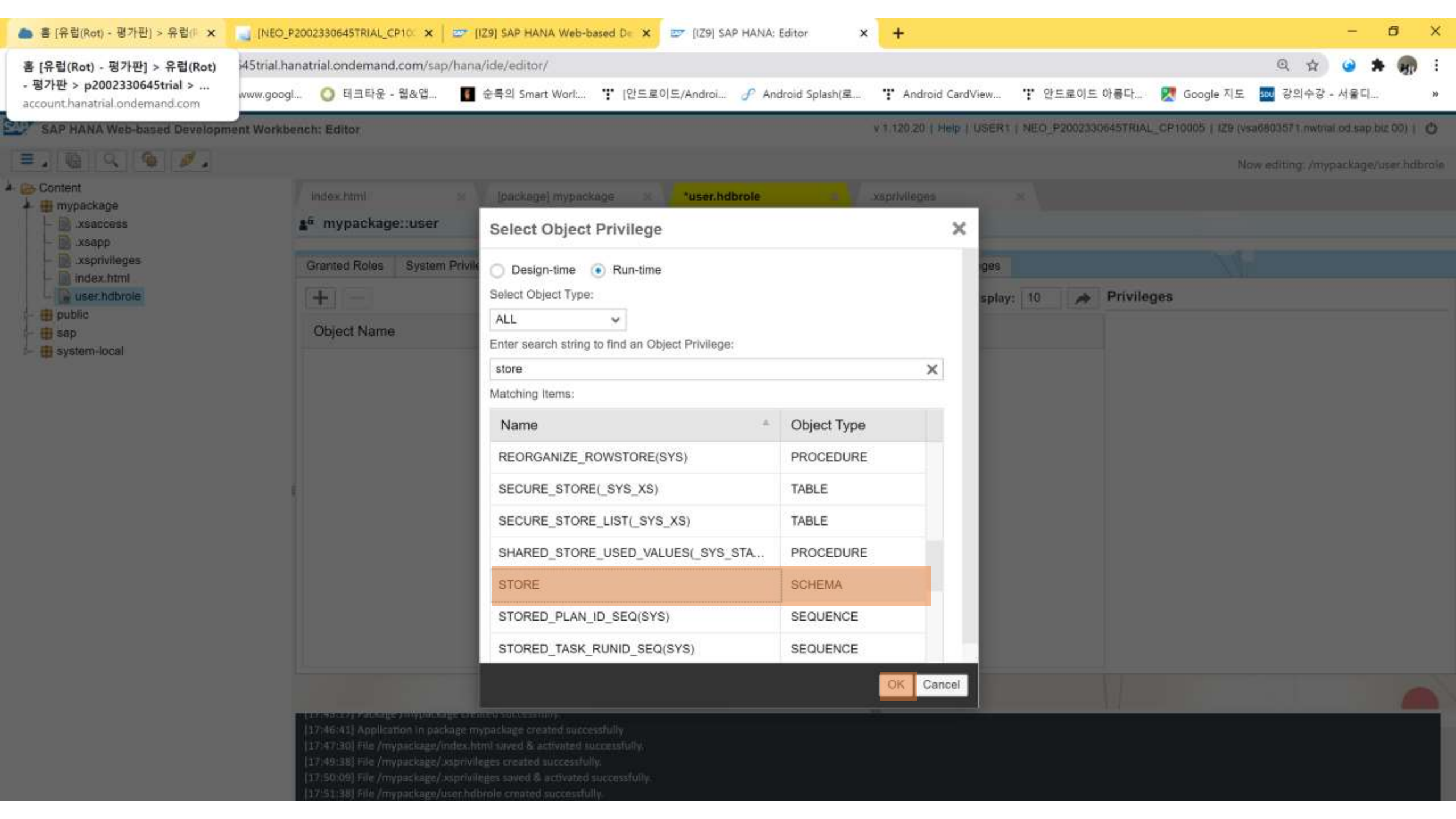
Content

- mypackage
 - .xsaccess
 - .xsapp
 - .xsprivileges
 - index.html
- public
- sap
- system-local

index.html[package] mypackage*.xsprivileges

```
1 {
2   "privileges": [
3     { "name": "Execute", "description": "Execute" }
4   ]
5 }
```

[17:45:17] Package /mypackage created successfully.
[17:46:41] Application in package mypackage created successfully
[17:47:30] File /mypackage/index.html saved & activated successfully.
[17:49:38] File /mypackage/.xsprivileges created successfully.



Select Object Privilege

☐ Design-time ☒ Run-time

Select Object Type:

ALL

Enter search string to find an Object Privilege:

store

Matching Items:

Name	Object Type
REORGANIZE_ROWSTORE(SYS)	PROCEDURE
SECURE_STORE(_SYS_XS)	TABLE
SECURE_STORE_LIST(_SYS_XS)	TABLE
SHARED_STORE_USED_VALUES(_SYS_STA...	PROCEDURE
STORE	SCHEMA
STORED_PLAN_ID_SEQ(SYS)	SEQUENCE
STORED_TASK_RUNID_SEQ(SYS)	SEQUENCE

OK

Cancel

```
[17:43:17] Package /mypackage created successfully.  
[17:46:41] Application in package mypackage created successfully.  
[17:47:30] File /mypackage/index.html saved & activated successfully.  
[17:49:38] File /mypackage/.xsprivileges created successfully.  
[17:50:09] File /mypackage/.xsprivileges saved & activated successfully.  
[17:51:38] File /mypackage/user.hdbrole created successfully.
```

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Content

- mypackage
 - .xsaccess
 - .xsapp
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 - index.html
 - user.hdbrole
- public
- sap
- system-local

Index.html [package] mypackage *user.hdbrole .xsprivileges

6 mypackage::user

Granted RolesSystem PrivilegesObject PrivilegesAnalytic PrivilegesPackage PrivilegesApplication Privileges

+ -

Display: 10

Privileges

- ☒ CREATE ANY
- ☐ ALTER
- ☒ DROP
- ☐ EXECUTE
- ☒ SELECT
- ☒ INSERT
- ☒ UPDATE
- ☒ DELETE
- ☒ INDEX
- ☐ TRIGGER
- ☐ DEBUG
- ☐ REFERENCES

Object Name	Object Type	Origin
STORE	SCHEMA	Run Time

[17:45:17] Package /mypackage created successfully.

[17:46:41] Application in package mypackage created successfully

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- Content
 - mypackage
 - .xsaccess
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index.html [package] mypackage user.hdbrole user.hdbrole .xsprivileges

mypackage::user

Granted Roles System Privileges

+ -

Application Privilege

Select Application Privilege

Enter search string to find an Application Privilege:

Matching Items:

Name
mypackage::Execute
sap.bc.ina.service.v2::Execute
sap.hana.admin::Administrator
sap.hana.admin::Monitoring
sap.hana.admin.cockpit.app::AppSiteAccess:cockpit
sap.hana.admin.cockpit.app::WidgetAccess:monitoring
sap.hana.admin.cockpit.sysrep::WidgetAccess:sysrepadmin

OK Cancel

```
[17:49:59] File /mypackage/.xsprivileges created successfully.
[17:50:09] File /mypackage/.xsprivileges saved & activated successfully.
[17:51:38] File /mypackage/user.hdbrole created successfully.
[17:55:35] File /mypackage/user.hdbrole saved successfully.
[17:55:35] Error while activating /mypackage/user.hdbrole:
[mypackage/user.hdbrole] insufficient privilege: Not authorized as /sapmnt/SID7272/s/HDB/jenkins_prod/Workspace/HANA__TS_CO_UNIS4GCC88HAPPY_rel.ta/hana1sp12/vpmme/query/checker/query_check.cc3716
```

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 - .xsaccess
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 - user.hdbrole
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index.html [package] mypackage *user.hdbrole *user.hdbrole .xsprivileges

6 mypackage::user

Granted Roles System Privileges Object Privileges Analytic Privileges Package Privileges Application Privileges

+ -

Display: 10

Application Privilege

mypackage::Execute

[17:49:58] File /mypackage/.xsprivileges created successfully.
[17:50:09] File /mypackage/.xsprivileges saved & activated successfully.
[17:51:38] File /mypackage/user.hdbrole created successfully.
[17:55:35] File /mypackage/user.hdbrole saved successfully.
[17:55:35] Error while activating /mypackage/user.hdbrole:
[mypackage:user.hdbrole] insufficient privilege: Not authorized at /sapmnt/ld7272/a/HDB/jenkins_prod/workspace/HANA_FA_CO_LIN64GCC48HAPPY_rel_fa~hana1sp12/s/ptime/query/checker/query_check.cc:3716

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Content

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 - .xsapp
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 - index.html
 - user.hdbrole
- public
- sap
- system-local

index.html [package] mypackage user.hdbrole user.hdbrole .xsprivileges

```
1 role mypackage::user
2 {
3   catalog schema "STORE": CREATE ANY, DROP, SELECT, INSERT, UPDATE, DELETE, INDEX;
4
5   application privilege: "mypackage::Execute";
6
7 }
8
```

[17:55:53] File /mypackage/user.hdbrole saved successfully.

[17:55:35] Error while activating /mypackage/user.hdbrole:

[mypackage:user.hdbrole] insufficient privilege: Not authorized at /sapmnt/ld7272/a/HDB/jenkins_prod/workspace/HANA__FA_CO_LIN64GCC4BHAPPY_rel_fa~hana1sp12/s/ptime/query/checker/query_check.cc:3716

[17:59:43] File /mypackage/user.hdbrole saved successfully.

[17:59:43] Error while activating /mypackage/user.hdbrole:

[mypackage:user.hdbrole] insufficient privilege: Not authorized at /sapmnt/ld7272/a/HDB/jenkins_prod/workspace/HANA__FA_CO_LIN64GCC4BHAPPY_rel_fa~hana1sp12/s/ptime/query/checker/query_check.cc:3716

홈 [유럽(Rot) - 평가판] > 유럽(Rot) - 평가판 > p2002330645trial > ...
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Content

- mypackage
 - .xsaccess
 - .xsapp
 - .xsprivileges
 - index.html
 - services.xsodata
 - user.hdbrole
- public
- sap
- system-local

Index.html[package] mypackage*services.xsodata

```
1 service {  
2   "STORE"."BOOK" as "BOOK"  
3   create forbidden  
4   update forbidden  
5   delete forbidden;  
6   "STORE"."CUSTOMER" as "CUSTOMER"  
7   create forbidden  
8   update forbidden  
9   delete forbidden;  
10 }
```

[17:55:55] Error while activating /mypackage/user.hdbrole:
[mypackage:user.hdbrole] insufficient privilege: Not authorized at /sapmnt/ld7272/a/HDB/jenkins_prod/workspace/HANA__FA_CO_LIN64GCC48HAPPY_rel_fa~hana1sp12/s/ptime/query/checker/query_check.cc:3716
[17:59:43] File /mypackage/user.hdbrole saved successfully.
[17:59:43] Error while activating /mypackage/user.hdbrole:
[mypackage:user.hdbrole] insufficient privilege: Not authorized at /sapmnt/ld7272/a/HDB/jenkins_prod/workspace/HANA__FA_CO_LIN64GCC48HAPPY_rel_fa~hana1sp12/s/ptime/query/checker/query_check.cc:3716
[18:06:34] File /mypackage/services.xsodata created successfully.

홈 [유럽(Rot) - 평가판] > 유럽 > 평가판 > p2002330645trial > ...
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This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8"?>
<service xmlns:atom="http://www.w3.org/2005/Atom" xmlns:app="http://www.w3.org/2007/app" xmlns="http://www.w3.org/2007/app"
xml:base="https://cp10005p2002330645trial.hanatrial.ondemand.com:443/mypackage/services.xsodata/">
  <workspace>
    <atom:title>Default</atom:title>
    <collection href="BOOK">
      <atom:title>BOOK</atom:title>
    </collection>
    <collection href="CUSTOMER">
      <atom:title>CUSTOMER</atom:title>
    </collection>
  </workspace>
</service>
```

홈 [유럽(Rot) - 평가판] > 유럽(Rot) - 평가판 > p2002330645trial > ...
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Content

- mypackage
 - .xsaccess
 - .xsapp
 - .xsprivileges
 - index.html
 - services.xsodata
 - user.hdbrole
- public
- sap
- system-local

*index.html [package] mypackage services.xsodata

```
1 <!DOCTYPE HTML>
2
3 <html lang="en">
4
5 <head>
6
7 <meta http-equiv="content-type" content="text/html; charset=utf-8">
8
9 <title>Title Goes Here</title>
10
11 </head>
12
13
14 <body>
15 <p>This is my web page</p>
16 <p>Hello world:</p>
17 <h1>The service is working fine</h1>
18 <h2>Click here for the metadata file</h2>
19 <a href="https://cp10005p2002330645trial.hanatrial.ondemand.com/mypackage/services.xsodata">Metadata file</a>
20
21
22 </body>
</html>
```

[mypackage:user.hdbrole] insufficient privilege: Not authorized at /sapmnt/ld7272/a/HDB/jenkins_prod/workspace/HANA__FA_CO_UN64GCC48HAPPY_rel_fa~hana1sp12/s/ptime/query/checker/query_check.cc:3716

[17:59:43] File /mypackage/user.hdbrole saved successfully.

[17:59:43] Error while activating /mypackage/user.hdbrole:

[mypackage:user.hdbrole] insufficient privilege: Not authorized at /sapmnt/ld7272/a/HDB/jenkins_prod/workspace/HANA__FA_CO_UN64GCC48HAPPY_rel_fa~hana1sp12/s/ptime/query/checker/query_check.cc:3716

[18:06:34] File /mypackage/services.xsodata created successfully.

[18:07:04] File /mypackage/services.xsodata saved & activated successfully.



This is my web page
Hello world:)

The service is working fine

Click here for the metadata file

[Metadata file](#)

Chrome browser tabs and address bar. The address bar shows the URL: `https://cp10005p2002330645trial.hanatrial.ondemand.com/mypackage/services.xsodata`. The browser interface includes multiple tabs, a search bar, and various extension icons.

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<service xmlns:atom="http://www.w3.org/2005/Atom" xmlns:app="http://www.w3.org/2007/app" xmlns="http://www.w3.org/2007/app"
xml:base="https://cp10005p2002330645trial.hanatrial.ondemand.com:443/mypackage/services.xsodata/">
  <workspace>
    <atom:title>Default</atom:title>
    <collection href="BOOK">
      <atom:title>BOOK</atom:title>
    </collection>
    <collection href="CUSTOMER">
      <atom:title>CUSTOMER</atom:title>
    </collection>
  </workspace>
</service>
```