

# DEVELOPMENT TOOLS

# DECLARATIVE YAML

Declarative YAML based configuration allows automation of app creation as well as version control of created apps.

```
hcm.yml - workarea

1  ---
2  Space:
3    SpaceName: hcm
4  ---
5  Store:
6    StoreName: employeeedb
7    SpaceName: hcm
8    StoreType: rowstore
9
10 Table:
11   TableName: employee_details
12   SpaceName: hcm
13
14 Columns:
15   - { ColumnName: employeeid, ColumnType: varchar, ColumnConstraints: none, SpaceName: hcm }
16   - { ColumnName: first_name, ColumnType: varchar, ColumnConstraints: none, SpaceName: hcm }
17   - { ColumnName: last_name, ColumnType: varchar, ColumnConstraints: none, SpaceName: hcm }
18   - { ColumnName: email_address, ColumnType: varchar, ColumnConstraints: none, SpaceName: hcm }
19   - { ColumnName: phone_number, ColumnType: varchar, ColumnConstraints: none, SpaceName: hcm }
20   - { ColumnName: address, ColumnType: varchar, ColumnConstraints: none, SpaceName: hcm }
21
22 TableStoreAssociation: { AssociationName: employeeedb_details, SpaceName: hcm, TableId: "{{ Table.employee_details.id }}" ,StoreId: "{{ Store.employeeedb.id }}" }
23
24 TableColumnAssociations:
25   - { AssociationName: details_id, SpaceName: hcm, TableId: "{{ Table.employee_details.id }}" , ColumnId: "{{ Column.employeeid.id }}" }
26   - { AssociationName: details_first_name, SpaceName: hcm, TableId: "{{ Table.employee_details.id }}" , ColumnId: "{{ Column.first_name.id }}" }
27   - { AssociationName: details_last_name, SpaceName: hcm, TableId: "{{ Table.employee_details.id }}" , ColumnId: "{{ Column.last_name.id }}" }
28   - { AssociationName: details_email_address, SpaceName: hcm, TableId: "{{ Table.employee_details.id }}" , ColumnId: "{{ Column.email_address.id }}" }
29   - { AssociationName: details_phone, SpaceName: hcm, TableId: "{{ Table.employee_details.id }}" , ColumnId: "{{ Column.phone_number.id }}" }
30   - { AssociationName: details_address, SpaceName: hcm, TableId: "{{ Table.employee_details.id }}" , ColumnId: "{{ Column.address.id }}" }
31
32 SQLAPI:
33   APIName: insert_employee
34   SpaceName: hcm
35   SQLTemplate: >-
36     INSERT INTO employee_details (employeeid, first_name, last_name, email_address, address, phone_number)
37     VALUES('{{employeeid}}', '{{first_name}}', '{{last_name}}', '{{email_address}}', '{{address}}', '{{phone_number}}')
38   StoreId: "{{ Store.employeeedb.id }}"
39   ResponseColumnNames: ""
40   ResponseContentType: "text/json"
41
42 SQLAPI:
43   APIName: get_employee
44   SpaceName: hcm
45   SQLTemplate: >-
46     SELECT employeeid, first_name, last_name, email_address, address, phone_number
47     FROM employee_details
48     WHERE employeeid = '{{employeeid}}'
49   StoreId: "{{ Store.employeeedb.id }}"
50   ResponseColumnNames: "employeeid,first_name,last_name,email_address,address,phone_number"
51   ResponseContentType: "text/json"
```



# APPLICATION DEVELOPMENT STEPS

