



REFERENCE QUALIFIER & APP ENGINE STUDIO

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OVERVIEW

- Reference Qualifiers
- App Engine Studio

REFERENCE QUALIFIERS

- Reference qualifiers allow you to filter the list of options that appear in a reference field
- By default, when you create a reference field, all records in the referenced table are available
- For example, if you only want to allow users to select records from the user table whose role is 'Manager', a reference qualifier will filter the options to only those that meet the condition
- Reference qualifiers are defined through a dictionary entry record
- You can only define a single reference qualifier per field
- Reference qualifiers allow for dictionary overrides in their child tables

REFERENCE QUALIFIERS (DEMO)

- Let's create a reference qualifier on our 'Vet' fields!

APP ENGINE STUDIO (AES)

- App Engine Studio (AES) is a low-code app development tool
- Uses guided setup, predefined templates, and workflows to quickly build applications
- `/now/appenginestudio/home`
- AES tools allow us to add data, experiences, automation, and security:
 - UI Builder – edit portals and workspaces
 - Catalog Builder – create service catalog items
 - Mobile App Builder – build mobile experiences
 - Flow Designer – automate application processes
 - Table Builder – edit data models in a table format

APP ENGINE STUDIO (CONT.)

- AES is good for citizen developers, pro-code developers, and App Engine Studio admins
- To access the AES, the [sn_app_eng_studio.user] role is required
- Templates are fully functional apps that can be deployed at any time
- The 4 cornerstones of App Engine Studio:
 - Data – data that fills our application can be created from a spreadsheet
 - Experiences – the user interfaces the user interacts with
 - Automation – processes that have been automated
 - Security – role-based system to control how users interact with the application
- AES requires a license and can be installed from the SNOW store
 - Note: basic AES does not come with the full suite of features and tools

APP DEVELOPMENT LIFECYCLE IN AES

1. App development begins in development(dev) instance
 - Any and all development takes place on the dev instance
2. System admin will publish the app to a test instance for testing
 - Any defects found are then fixed in the dev instance and pushed to the test instance for additional testing
3. When the app is ready, it can be published to the production(prod) instance for deployment
 - DEVELOPMENT IS NEVER DONE IN THE PROD INSTANCE

APP ENGINE STUDIO DEMO

- Let's tour the studio!

TERMINOLOGY

- `sn_app_eng_studio.user` - role required to access the App Engine Studio
- Reference Qualifier – a way to add filters to a reference field