Design document for BDS feature:
Workspace Notifications

Overview and Requirements:

For the feature overview and details, refer to the document **Workspace Notifications** [1].

Implementation Details:

The following changes are required to implement the feature:

1. ***Introducing a new flag for workspaces:***
   a. A new flag should be added to the table *fds_package_ext* named *is_notification_enabled* and the data type should be String.
   b. The possible values of *is_notification_enabled* should be "*Y*" (Workspace notification is enabled) and "*N*" (Workspace notification is disabled).

2. ***Introducing a new field for workspaces:***
   a. A new field should be added to the table *fds_package_ext* named *default_notification_settings* and the data type will be String.
   b. The default notification settings will be stored as a JSON string in the *default_notification_settings* field.

3. ***Upgrading database:***
   a. The *is_notification_enabled* should *be set to "Y"* and *default_notification_settings* should be kept *NULL* for all existing packages initially by using data model manager.
   b. A new property named *"workspace.default.notification.settings"* with an initial value (initial default notification settings converted to JSON string) should be entered into the table *fds_init_property*.

4. ***Setting the values of workspace notifications while creating workspace:***
   a. While creating a workspace if the notifications are enabled "*Y*" should be stored to *is_notification_enabled*.
   b. The value of notification settings should be processed and converted to a JSON string and stored to *default_notification_settings* field.
   c. If the notifications are disabled then *NULL* should be stored to *default_notification_settings* field.
   d. The *fds_package_user_settings* table should be populated for all the users of the workspace according to the default notification settings.

5. ***Updating default workspace notifications:***
   a. The values of no*tification_enabled* and *default_notification_settings* of *fds_package_ext* table should be updated accordingly.
   b. If "Apply to all users" is enabled then the *fds_package_user_settings* table should be updated for all the users of the workspace according to the new default notification settings.

6. ***Updating workspace notifications for a specific user:***
   a. The *fds_package_user_settings* table should be updated according to the new notification settings only for the specific user of the workspace.

7. ***Updating notifications for all the workspaces of a specific user:***
   a. The *fds_package_user_settings* table should be updated according to the new notification settings for all the workspaces of the user.

References

1. Workspace Notifications (Spec - BDS Secure Workspace Notifications)

History

Date	Version	Author	Comments
October 2, 2014	0.1	Raine	• Created.
October 9, 2014	0.2	Raine	• Added section 3.b and 7

Version 0.2