



# SPR Support for Gx and N7 with Embedded MongoDB

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## Feature Summary and Revision History

### Summary Data

*Table 1: Summary Data*

Applicable Products or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled - Always-on
Related Documentation	Not Applicable

### Revision History

*Table 2: Revision History*

Revision Details	Release
First introduced.	2023.03.0

## Feature Description

In the case of Embedded Subscriber Profile Repository (SPR), PCF supports subscriber authorization for Gx and N7. The PCF provides internal access to both SPR and the Unified API Endpoint. The SPR databases get configured in an existing administration database replica set or used as a separate MongoDB replica set.

PCF must review the subscriber session policies if any subscriber profile changes get notified in the SPR DB. If there is any post profile update in the subscriber policy, the PCF sends a Gx-RAR or N7 Notify message. When the PCF receives the notification, it locates the subscriber profile from the SPR DB, reviews the policy, and initiates an N7 Notify message to SMF if there is any policy change.

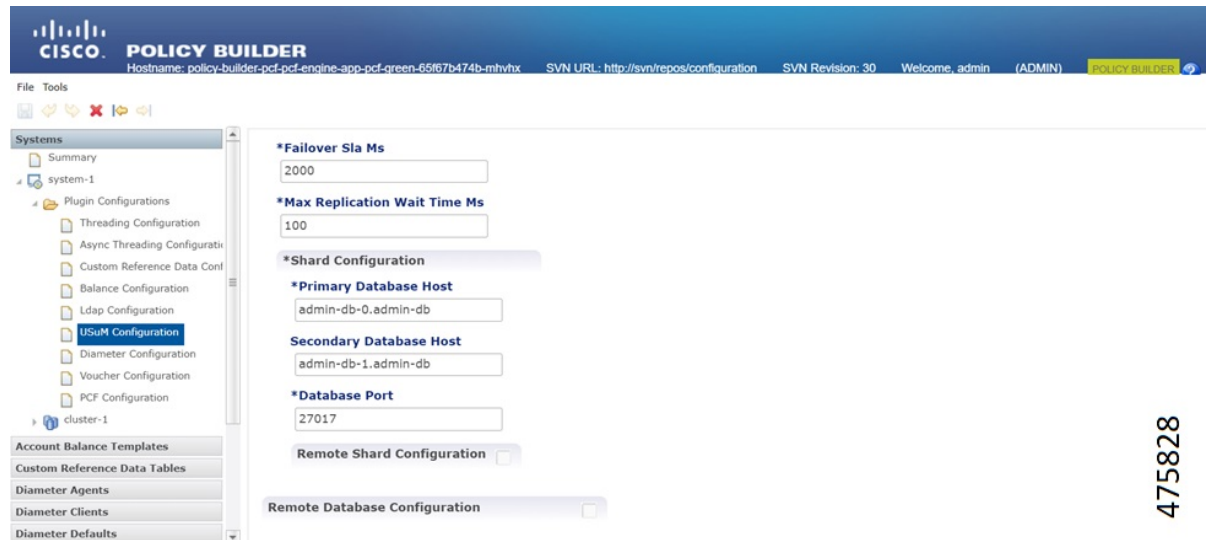
## Feature Configuration

This section describes how to configure the SPR PB.

### SPR PB configuration:

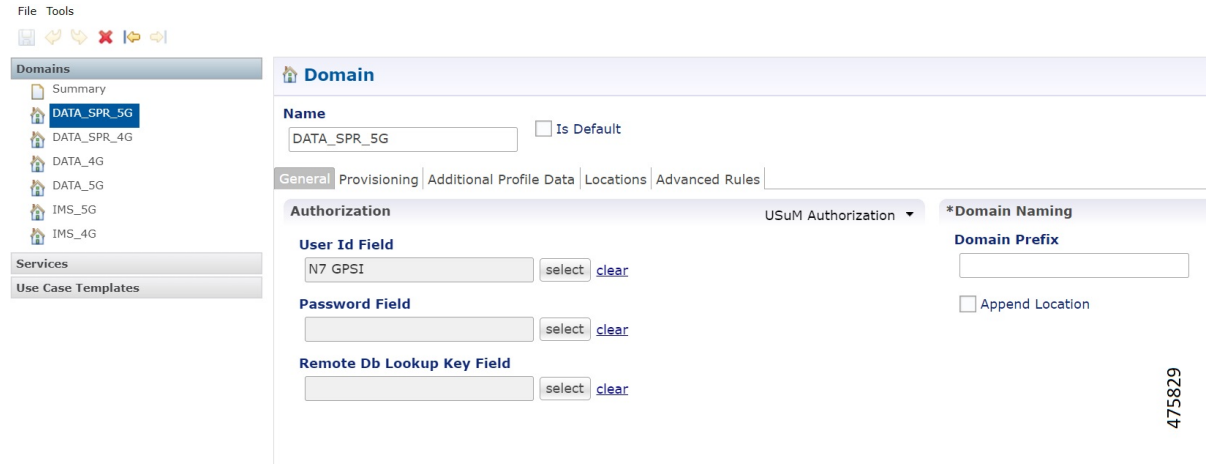
In the Policy Builder > Plugin Configuration > Click USuM Configuration.

**Figure 1: USuM Configuration**



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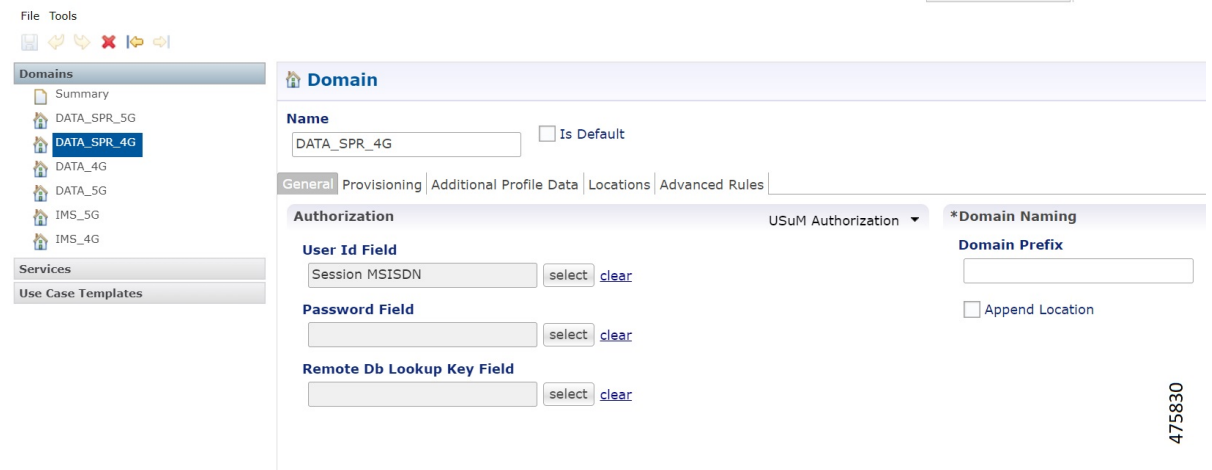
Figure 2: SPR N7 Configuration



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You can use N7 GPSI or SUPI as a lookup key for N7.

Figure 3: SPR Gx Configuration



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In the Domain tab, select the USuM Authorization from the drop down. You can use the Gx IMSI or MSISDN as a lookup key for Gx.

