

Restricting Service Activation

You can configure services that cannot be deactivated by an SAE API call; for example, service deactivated from a portal application. This feature is useful when a subscriber has access to several services that perform similar functions, and must use one and only one of those services at a time.

In this case, you must complete three actions:

1. Configure one of the services as a permanent service. This configuration causes the SAE to activate one of the services automatically when the SAE creates a subscriber session.
2. Configure each service to be activate only. This configuration prevents the SAE from deactivating the only active service of this type.
3. Add all services to a mutex group. This configuration allows the SAE to activate one of the other services and to deactivate the service that is currently active.

For example, a subscriber may be able to use one of three Internet access services, each of which offers different speeds. If you configure one of these services as a permanent service, the SAE activates this service for the subscriber automatically. Because all Internet access services are marked to be activate only, the subscriber cannot request deactivation of the default Internet access service. However, if the subscriber requests a faster Internet access service, the SAE activates the faster service and deactivates the default service, because the SAE cannot allow concurrent activation of multiple services assigned to the same mutex group.

