

```
//Namespaces
namespace spotify = www.spotify.com/music.wsdl
namespace facebook = www.facebook.com/service.wsdl
namespace twitter = www.twitter.com/service.wsdl

//Operations
alias getSong = portType/listenMusic in spotify
alias updateMusicTwitter = portType/updateMusic in twitter
alias updateMusicFacebook = portType/updateMusic in facebook
```

```
//Services
service publishMusic = updateMusicTwitter || updateMusicFacebook
```

```
//Path
getSong . publishMusic
```

```
defContract HTTPAuthPolicyContract{
  isAppliedTo: updateMusicFacebook;
  requires: event.activityName == scope.name
  (OnFailureDo: scope.httpRequest.Credentials =
    new
    NetworkCredential(username, password);
  );
}

defContract OAuthPolicyContract{
  isAppliedTo: updateMusicTwitter;
  requires: event.activityName == scope.name AND token == null
    (OnFailureDo: token = getToken());
  requires: event.activityName == scope.name AND
    token != null AND token.isExpired() == true
    (OnFailureDo: token = renewToken());
}
```

Service composition writing in parallel on the Facebook and Twitter book walls of a user (private application in the E3value model)

