

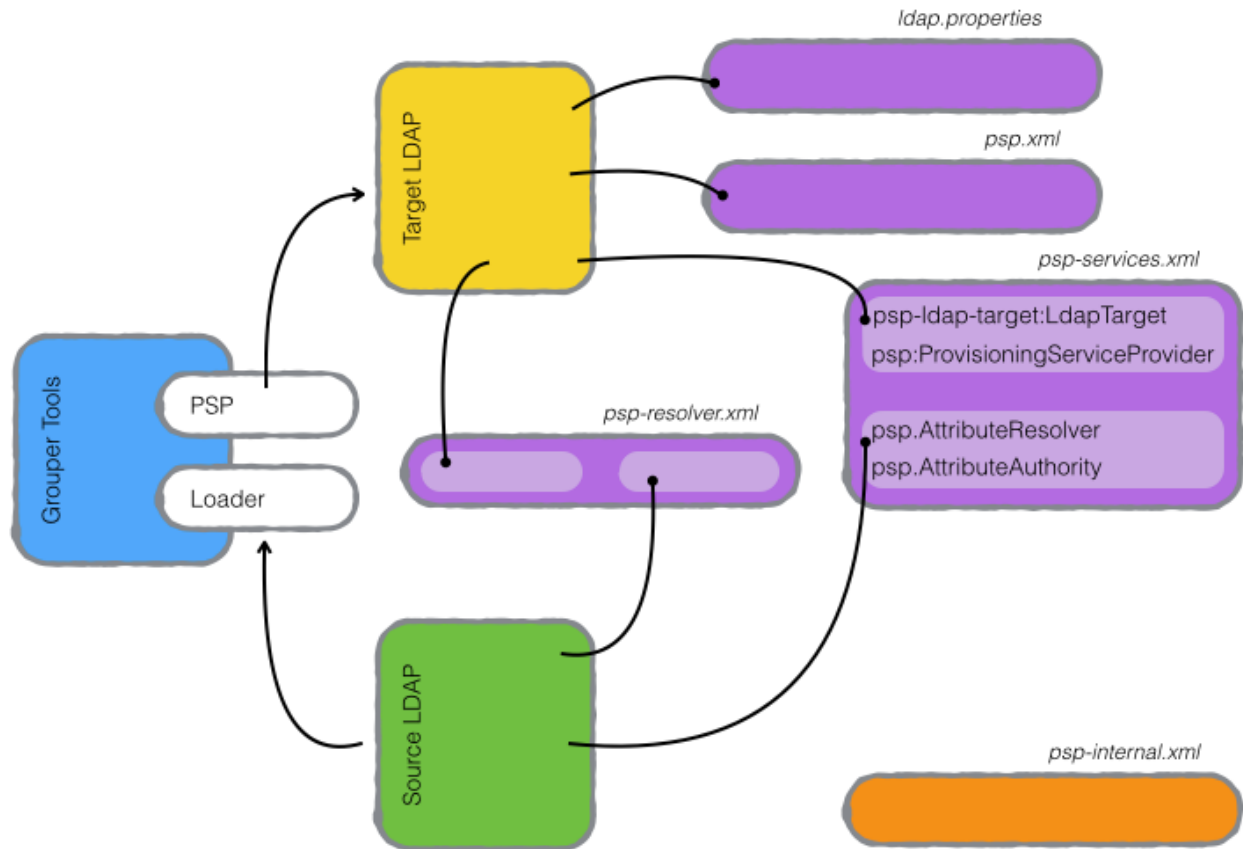
In trying to better understand the Grouper PSP tool, there are several configuration files with references to data sources and data targets.

I have

- an LDAP that serves as a data source
- an LDAP that serves as a data target

I want to pull subject ids (DN values) from the source LDAP using a given search string, and provision the resulting subject ids as a group in the target LDAP.

We have successfully used the Grouper loader to pull all applicable subject ids into Grouper. Now I want to use PSP to provision this group to the target LDAP.



Here is my current understanding of the PSP configuration files and for what they are used.

Used by	
Source	Target
	<i>ldap.properties</i>
	<ul style="list-style-type: none"> <li>• connection configuration for vt-ldap</li> </ul>
	<i>psp.xml</i>
	<ul style="list-style-type: none"> <li>• Provision a grouper stem as an ldap organizational unit</li> <li>• Provision a grouper group as an ldap group</li> <li>• Do not provision grouper members, but enable lookup</li> <li>• Provision a group membership triggered by the grouper change log</li> </ul>
<i>psp-services.xml</i>	
<ul style="list-style-type: none"> <li>• psp.AttributeResolver</li> <li>• psp.AttributeAuthority</li> </ul>	<ul style="list-style-type: none"> <li>• psp-ldap-target:LdapTarget</li> <li>• psp:ProvisioningServiceProvider</li> </ul>
<i>psp-resolver.xml</i>	
<ul style="list-style-type: none"> <li>• filters for extracting values from entities</li> </ul>	<ul style="list-style-type: none"> <li>• filters for provisioning groups</li> </ul>
<i>psp-internal.xml</i>	

During the PSP process, are there calls made back to the source LDAP (specified by the source id recorded in the Grouper db tables)? Only the subject ids are recorded in the Grouper tables and not the subject's attributes. Is it expected that the target LDAP have the same set of subjects? If yes, is it also expected the attributes for both the source and target LDAP subjects be synchronized? Can the PSP be configured to go back to the source LDAP to extract additional attributes that then will be provisioned to the target LDAP? I ask these questions only for the purpose of understanding the PSP configuration files and what they are to be used for.

#### *ldap.properties*

From what I can tell, this file, specified in *psp-services.xml*, is to provide information on how to connect to the target LDAP. It has no bearing on the source LDAP that is used by the Grouper loader to define groups in Grouper.

#### *psp.xml*

It appears this file describes the various things that should be provisioned to the target LDAP. It includes references to *psp-resolver.xml* which determines which Grouper-stored subject ids will be provisioned and how that provisioning will take place, including any value translation.

*psp-services.xml*

It may be that configuration may apply to both the source and target LDAPs. Anything that has to do with provisioning should be associated with the target LDAP. Anything that has to do with resolving or extracting attributes seems to be related to the source LDAP since subject attributes are not stored in Grouper.

*psp-resolver.xml*

This is the meat of the configuration. Throughout the other PSP configuration files, references to configuration nodes in *psp-resolver.xml* are found. If the PSP is pulling information from the source LDAP, *psp-resolver.xml* would include instructions on how to extract subject attribute values. It also includes configuration nodes providing instruction on how to provision groups to a target LDAP.

*psp-internal.xml*

I'm not sure what this does. Obviously it is important, but it seems fairly agnostic toward the source and target LDAP.