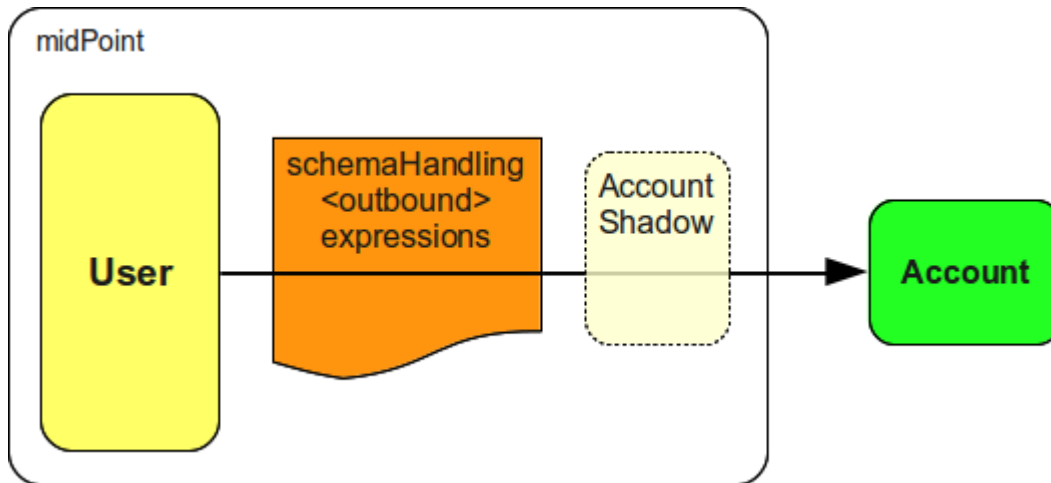


Outbound Mapping

Outbound mapping define how the data are [synchronized](#) from the user to accounts or, in other words, when the data **out** of midPoint. See [Synchronization Examples](#) for a generic explanation of the synchronization mechanism.



Outbound expressions are defined in the [schema handling](#) section of resource definition. The expression definition is inside attribute definition which is inside account type definition:

```
<resource>
...
<schemaHandling>
...
<accountType>
...
<attribute>
...
<outbound>
<initial>true</initial>
<expression>
<code>
concat('uid=', $c:user/c:name, ',ou=people,dc=example,dc=com')
</code>
</expression>
</outbound>
...
</attribute>
...
</accountType>
...
</schemaHandling>
...
</resource>
```

Outbound expressions are in fact [value constructions](#) therefore there are many options to use. One of the expressions (scripting) languages may be used, the source value can be referenced directly, it may generated, etc. See [Value Construction](#) page for more detail how to construct them.

Variables

Outbound expressions usually take variables from the system variables provided by midPoint when the expression is evaluated. Following table summarizes the variables available to outbound expressions.

Variable name	Type	Description
<code>user</code> <code>root node</code>	UserType	User associated with the account. This is the most common source of data for outbound expressions.
<code>iteration</code>	integer	Numeric value describing the current iteration. It starts with 0 and increments on every iteration. Iterations are used to find unique values for an account, to resolve naming conflicts, etc.

iterationToken	string	String value describing the current iteration. It is usually suffix that is appended to the username or a similar "extension" of the value. It should have different value for every iteration. The actual value is determined by the iteration settings.
----------------	--------	---

Examples

TODO

See Also

- [Synchronization Examples](#)
- [Resource Schema Handling](#)
- [Mapping](#)
- [Mapping Evaluation Examples](#)
- [Inbound Mapping](#)
- [Unique Account Username HOWTO](#)