

# ResultCache

The `<ResultCache>` element specifies the manner in which results may be cached for subsequent lookups.



## Known Security Issue

The `<ResultCache>` element in IdP versions before 3.3.0 has a serious security issue when used in conjunction with the [LDAP](#) connector, as described in [security advisory 20161027](#). If you are using a vulnerable version of the IdP then you should not use this element in new deployments, and you should remove it from existing deployments.

The `<ResultCache>` element can be used safely with LDAP starting with IdP version 3.3.0.

## Schema Name and Location

This element is defined in the `urn:mace:shibboleth:2.0:resolver` namespace, the schema for which is located at <http://shibboleth.net/schema/idp/shibboleth-attribute-resolver.xsd>

## Example

```
<ResultCache maximumCachedElements="100" />
```

## Configuration Reference

### Attributes

The `<ResultCache>` element has two optional attributes:

Name	Type	Default	Description
<code>maximumCachedElements</code>	Integer	500	Maximum number of entries the cache may contain
<code>expireAfterAccess</code> <sup>3.4</sup>	Duration	PT4H	Duration since last use after which any entry will be removed from the cache. The duration is reset on each access.
<code>expireAfterWrite</code> <sup>3.4</sup>	Duration		Duration after which any entry will be removed from the cache. The duration is from first use.
<code>elementTimeToLive</code>	Duration	Deprecated <sup>3.4</sup>	Duration, since last use, after which any entry will be removed from the cache Deprecated as of V3.4, use the more precisely-named <code>expireAfterAccess</code>

### Child Elements

No child elements are defined.

### Notes

The caching specified by the `<ResultCache>` element can instead be defined by specifying a `<ResultCacheBean>` element on the data connector, which allows for complete replacement of cache result handling.