

# Attribute Bundles



## Deprecated

Note that this page has been deprecated; the information they contain is no longer current. The page has been retained for historical purposes only.

## Attribute Bundles

### Essential Attribute Bundle

IdPs are encouraged to release the [Essential Attribute Bundle](#) to the broadest class of SPs possible (subject to policy):



Learn more about the [Essential Attribute Bundle](#)

- *Identifier*
  - eduPersonPrincipalName
- *Mail attribute*
  - mail
- *Person name attributes*
  - displayName
  - givenName
  - sn (surname)



### An Important Consequence of Releasing the Essential Attribute Bundle

If your deployment of eduPersonPrincipalName is non-re-assigned, and your IdP releases the Essential Attribute Bundle to all SPs, then your IdP supports the [Research & Scholarship Category](#) as a side effect, without further configuration.

### Research & Scholarship Attribute Bundle

IdPs are encouraged to release the [Research & Scholarship Attribute Bundle](#) to all R&S SPs:



Learn more about the [Research & Scholarship Attribute Bundle](#)

- *Identifiers*
  - eduPersonPrincipalName
  - eduPersonTargetedID
- *Mail attribute*
  - mail
- *Person name attributes*
  - displayName
  - givenName
  - sn (surname)
- *Authorization attribute*
  - eduPersonScopedAffiliation



### The Research & Scholarship Category

The [Research & Scholarship Category](#) is a global effort that promotes *Federation for Research and Scholarship that Just Works*.