

SWORD

- APP based with extensions
- Most basic deposit mechanisms:
 - Service documents
 - Deposit request and response
- Multiple levels of standard compliance
- Basic Authentication, and on-behalf-of authorisation

SWORD: Service Document

- Takes authentication details
- Takes on-behalf-of user
- Returns list of available deposit targets
 - e.g. DSpace Collections

SWORD: Deposit Request

- Takes authentication details
- Takes on-behalf-of user
- Takes package description (e.g. application/zip)
- Takes single arbitrary file (e.g. Zip)
- May process the deposit or execute in No-Op mode
- Returns process completion report
 - Identifier, deposit metadata, operation params

SWORD/ORE: possibilities (1)

- Further SWORD standard levels will implement additional features of APP
- APP as standard for adding new aggregations/aggregated resources to existing objects
- Identify deposit targets as ORE aggregations through a service document
- Deposit file content/representations into ORE aggregated resources

SWORD/ORE: possibilities (2)

- Packages could be resource maps, depositing one “object” into another
- Packages could be complete serialisations of aggregations for re-deployment
 - e.g. Archiving off a snapshot of a dynamic object
- SWORD offers features for a web service which ORE does not cover
 - Basic authentication/on-behalf-of, deposit semantics, extensible framework (APP extensions)

SWORD/ORE: challenges

- ORE to APP mapping (with minimal extensions)
- Package descriptors
- SWORD standard compliance level ordering
- Scalability of using service documents to describe ORE aggregations as deposit targets