

Global Format Registry

System Use Case: **Transform Digital Object**

Use Case ID	OCLC-12
Description	Transform the given digital object into a different format.
Actors	Repository
Assumptions	The Repository has the necessary software installed locally or proper copyrights to transfer the object to an external site have been secured from the content owner.
Preconditions	The Repository has obtained a digital object. The Repository has determined the format of the object (by executing OCLC-11). The format of the object registered in the registry has at least one transformation defined.
Triggers	The need to create a derivative, to permanently migrate the format to a more easily supported type, or to render the object to a user using the transformed type.
Primary Scenario	Execute OCLC-5 using the object's identifying attributes as query.
	For the first returned ID, execute OCLC-3 (see Issues below).
	Identify which transformer to execute, extract the URI of the transformer and locate the local transformer executable.
	Execute the transformer.
Primary Result	Obtain a derivative of the original object into the desired format.
Post-Conditions	
Architecture requirements (Non-functional)	
Notes	
Issues	A 100% match must be returned to be considered valid. See Issues noted in Use Case OCLC-5 Search For Format Descriptors.