

Objects Example

This example shows semantic units pertaining to two TIFF files described as File Objects. The complete information package as held in the repository consists of 5 files: 2 TIFF masters, 2 JPEG derivatives, and a METS (XML) file that describes the relationships among them. The METS file is used to dynamically generate the display at <http://lcweb2.loc.gov/diglib/ihas/loc.natlib.gottlieb.09601/default.html>, which is considered the Intellectual Entity.

A complete description of this information package might consist of 5 File Objects and 2 Representation Objects (for the TIFF and JPEG versions). Only the 2 TIFFs are described in this example.

Objects Example (TIFF file 1)

semantic unit	semantic unit	semantic unit	semantic unit	Value
OBJECT				
objectIdentifier	objectIdentifierType			hdl
objectIdentifier	objectIdentifierValue			loc.music/gottlieb.09601
preservationLevel	preservationLevel Value			full
objectCategory				file
objectCharacteristics	compositionLevel			0
objectCharacteristics	fixity	messageDigestAlgorithm		MD5
objectCharacteristics	fixity	messageDigest		36b03197ad066cd719906c55eb68ab8d
objectCharacteristics	fixity	messageDigestOriginator		LocalDCMS
objectCharacteristics	size			20800896
objectCharacteristics	format	formatDesignation	formatName	image/tiff
objectCharacteristics	format	formatDesignation	formatVersion	6.0
objectCharacteristics	format	formatRegistry	formatRegistryName	PRONOM
objectCharacteristics	format	formatRegistry	formatRegistryKey	fmt/10
objectCharacteristics	format	formatRegistry	formatRegistryRole	specification
objectCharacteristics	significant properties			<NONE>

semantic unit	semantic unit	semantic unit	semantic unit	Value
objectCharacteristics	inhibitors	inhibitorType		<NONE>
objectCharacteristics	inhibitors	inhibitorTarget		<NONE>
objectCharacteristics	inhibitors	inhibitorKey		<NONE>
creatingApplication	creatingApplication Name			ScandAll 21
creatingApplication	creatingApplication Version			4.1.4
creatingApplication	DateCreatedBy Application			1998-10-30
creatingApplication	creatingApplication Name			Adobe Photoshop
creatingApplication	creatingApplication Version			CS2
creatingApplication	DateCreatedBy Application			1998-10-30T08:29:02
originalName				0001h.tif
storage	contentLocation	contentLocationType		filepath
storage	contentLocation	contentLocationValue		amserver/
storage	storageMedium			disk
environment	environment Characteristic			recommended
environment	environmentPurpose			render
environment	environmentPurpose			edit
environment	environmentNote			<NONE>
environment	dependency	dependencyName		<NONE>
environment	dependency	dependencyIdentifier	dependencyIdentifier Type	<NONE>
environment	dependency	dependencyIdentifier	dependencyIdentifier Value	<NONE>
environment	software	swName		Adobe Acrobat
environment	software	swVersion		5.0
environment	software	swType		renderer
environment	software	swOtherInformation		<NONE>
environment	software	swDependency		<NONE>
environment	software	swName		Windows
environment	software	swVersion		XP
environment	software	swType		operatingSystem

semantic unit	semantic unit	semantic unit	semantic unit	Value
environment	software	swOtherInformation		<NONE>
environment	software	swDependency		<NONE>
environment	hardware	hwName		Intel x86
environment	hardware	hwType		processor
environment	hardware	hwOtherInformation		60 mhz minimum
environment	hardware	hwName		64 MB RAM
environment	hardware	hwType		memory
environment	hardware	hwOtherInformation		32 MB minimum
signatureInformation	signatureInformation Encoding			<NONE>
signatureInformation	signatureMethod			<NONE>
signatureInformation	signatureValue			<NONE>
signatureInformation	signatureValidation Rules			<NONE>
signatureInformation	signatureProperties			<NONE>
signatureInformation	keyInformation	keyType		<NONE>
signatureInformation	keyInformation	keyValue		<NONE>
signatureInformation	keyInformation	keyVerificationInformation		<NONE>
relationship	relationshipType			structural
relationship	relationshipSubType			is sibling
relationship	relatedObject Identification	relatedObjectIdentifierType		hdl
relationship	relatedObject Identification	relatedObjectIdentifierValue		loc.music/gottlieb.09602
relationship	relatedObject Identification	relatedObjectSequence		0
relationship	relatedEvent Identification	relatedEventIdentifierType		<NONE>
relationship	relatedEvent Identification	relatedEventIdentifierValue		<NONE>
relationship	relatedEvent Identification	relatedEventSequence		<NONE>
relationship	relationshipType			structural
relationship	relationshipSubType			is sibling
relationship	relatedObject Identification	relatedObjectIdentifierType		hdl

semantic unit	semantic unit	semantic unit	semantic unit	Value
relationship	relatedObject Identification	relatedObjectIdentifierValue		lcweb2.loc.gov/coocoon/ihhas/loc.natlib.gottlieb.09601/mets.xml
relationship	relatedObject Identification	relatedObjectSequence		0
relationship	relatedEvent Identification	relatedEventIdentifierType		<NONE>
relationship	relatedEvent Identification	relatedEventIdentifierValue		<NONE>
relationship	relatedEvent Identification	relatedEventSequence		<NONE>
relationship	relationshipType			derivation
relationship	relationshipSubType			is source of
relationship	relatedObject Identification	relatedObjectIdentifierType		URL
relationship	relatedObject Identification	relatedObjectIdentifierValue		http://lcweb2.loc.gov/natlib/ihhas/service/gottlieb/09601/ver01/0001v.jpg
relationship	relatedObject Identification	relatedObjectSequence		0
relationship	relatedEvent Identification	relatedEventIdentifierType		LocalRepository
relationship	relatedEvent Identification	relatedEventIdentifierValue		E001.01
relationship	relatedEvent Identification	relatedEventSequence		1
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierType			hdl
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierValue			loc.natlib.gottlieb.09601
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierType			URI
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierValue			http://lcweb2.loc.gov/cocoon/ihhas/loc.natlib.gottlieb.09601/default.html
linkingPermission StatementIdentifier	linkingPermission StatementIdentifier			<NONE>

semantic unit	semantic unit	semantic unit	semantic unit	Value
	Type			
linkingPermission StatementIdentifier	linkingPermission StatementIdentifier Value			<NONE>
linkingEventIdentifier	linkingEventIdentifier Type			LocalRepository
linkingEventIdentifier	linkingEventIdentifier Value			E001.1
linkingEventIdentifier	linkingEventIdentifier Type			LocalRepository
linkingEventIdentifier	linkingEventIdentifier Value			E001.2

Objects Example (TIFF file 2)

semantic unit	semantic unit	semantic unit	semantic unit	Value
OBJECT				
objectIdentifier	objectIdentifierType			hdl
objectIdentifier	objectIdentifierValue			loc.music/gottlieb.09602
preservationLevel	preservationLevel Value			full
objectCategory				file
objectCharacteristics	compositionLevel			0
objectCharacteristics	fixity	messageDigestAlgorithm		MD5
objectCharacteristics	fixity	messageDigest		ceb3dbc5dacd3883d0985174ef5df7db
objectCharacteristics	fixity	messageDigestOriginator		LocalDCMS
objectCharacteristics	size			58238300
objectCharacteristics	format	formatDesignation	formatName	image/tiff
objectCharacteristics	format	formatDesignation	formatVersion	6.0
objectCharacteristics	format	formatRegistry	formatRegistryName	PRONOM
objectCharacteristics	format	formatRegistry	formatRegistryKey	fmt/10
objectCharacteristics	format	formatRegistry	formatRegistryRole	specification
objectCharacteristics	significant properties			<NONE>

semantic unit	semantic unit	semantic unit	semantic unit	Value
objectCharacteristics	inhibitors	inhibitorType		<NONE>
objectCharacteristics	inhibitors	inhibitorTarget		<NONE>
objectCharacteristics	inhibitors	inhibitorKey		<NONE>
creatingApplication	creatingApplication Name			ScandAll 21
creatingApplication	creatingApplication Version			4.1.4
creatingApplication	DateCreatedBy Application			1998-10-30
creatingApplication	creatingApplication Name			Adobe Photoshop
creatingApplication	creatingApplication Version			CS2
creatingApplication	DateCreatedBy Application			1998-10-30T09:02:02
originalName				0002h.tif
storage	contentLocation	contentLocationType		filepath
storage	contentLocation	contentLocationValue		amserver/
storage	storageMedium			disk
environment	environment Characteristic			recommended
environment	environmentPurpose			render
environment	environmentPurpose			edit
environment	environmentNote			<NONE>
environment	dependency	dependencyName		<NONE>
environment	dependency	dependencyIdentifier	dependencyIdentifier Type	<NONE>
environment	dependency	dependencyIdentifier	dependencyIdentifier Value	<NONE>
environment	software	swName		Adobe Acrobat
environment	software	swVersion		5.0
environment	software	swType		renderer
environment	software	swOtherInformation		<NONE>
environment	software	swDependency		<NONE>
environment	software	swName		Windows
environment	software	swVersion		XP
environment	software	swType		operatingSystem

semantic unit	semantic unit	semantic unit	semantic unit	Value
environment	software	swOtherInformation		<NONE>
environment	software	swDependency		<NONE>
environment	hardware	hwName		Intel x86
environment	hardware	hwType		processor
environment	hardware	hwOtherInformation		60 mhz minimum
environment	hardware	hwName		64 MB RAM
environment	hardware	hwType		memory
environment	hardware	hwOtherInformation		32 MB minimum
signatureInformation	signatureInformation Encoding			<NONE>
signatureInformation	signatureMethod			<NONE>
signatureInformation	signatureValue			<NONE>
signatureInformation	signatureValidation Rules			<NONE>
signatureInformation	signatureProperties			<NONE>
signatureInformation	keyInformation	keyType		<NONE>
signatureInformation	keyInformation	keyValue		<NONE>
signatureInformation	keyInformation	keyVerificationInformation		<NONE>
relationship	relationshipType			structural
relationship	relationshipSubType			is sibling
relationship	relatedObject Identification	relatedObjectIdentifierType		hdl
relationship	relatedObject Identification	relatedObjectIdentifierValue		loc.natlib.gottlieb.09601
relationship	relatedObject Identification	relatedObjectSequence		0
relationship	relatedEvent Identification	relatedEventIdentifierType		<NONE>
relationship	relatedEvent Identification	relatedEventIdentifierValue		<NONE>
relationship	relatedEvent Identification	relatedEventSequence		<NONE>
relationship	relationshipType			structural
relationship	relationshipSubType			is sibling
relationship	relatedObject Identification	relatedObjectIdentifierType		hdl

semantic unit	semantic unit	semantic unit	semantic unit	Value
relationship	relatedObject Identification	relatedObjectIdentifierValue		lcweb2.loc.gov/coocoon/ihask/loc.natlib.gottlieb.09601/mets.xml
relationship	relatedObject Identification	relatedObjectSequence		0
relationship	relatedEvent Identification	relatedEventIdentifierType		<NONE>
relationship	relatedEvent Identification	relatedEventIdentifierValue		<NONE>
relationship	relatedEvent Identification	relatedEventSequence		<NONE>
relationship	relationshipType			derivation
relationship	relationshipSubType			is source of
relationship	relatedObject Identification	relatedObjectIdentifierType		URL
relationship	relatedObject Identification	relatedObjectIdentifierValue		http://lcweb2.loc.gov/natlib/ihask/service/gottlieb/09601/ver02/0001v.jpg
relationship	relatedObject Identification	relatedObjectSequence		0
relationship	relatedEvent Identification	relatedEventIdentifierType		LocalDCMS
relationship	relatedEvent Identification	relatedEventIdentifierValue		E002.01
relationship	relatedEvent Identification	relatedEventSequence		1
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierType			hdl
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierValue			loc.natlib.gottlieb.09601
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierType			URI
linkingIntellectual EntityIdentifier	linkingIntellectual EntityIdentifierValue			http://lcweb2.loc.gov/coocoon/ihask/loc.natlib.gottlieb.09601/default.html
linkingPermission StatementIdentifier	linkingPermission StatementIdentifier Type			<NONE>

semantic unit	semantic unit	semantic unit	semantic unit	Value
linkingPermission StatementIdentifier	linkingPermission StatementIdentifier Value			<NONE>
linkingEventIdentifier	linkingEventIdentifier Type			LocalRepository
linkingEventIdentifier	linkingEventIdentifier Value			E002