

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/ihis/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/cocoon/ihas/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/ihas/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/ihas/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/cocoon/ihas/loc.natl lib.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/natl/lib/ihas/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.natl.lib.gottlieb.09601 |
| linkingIntellectual EntityIdentifier | linkingIntellectual EntityIdentifierType | | | URI |
| linkingIntellectual EntityIdentifier | linkingIntellectual EntityIdentifierValue | | | http://lcweb2.loc.gov/cocoon/ihas/loc.natl.lib.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 |