UCO Version 0.5.0 Release Notes

Focus:

UCO Version 0.5.0 is primarily focused on the removal of the investigation namespace from UCO (that namespace now resides in the CASE ontology) and on the renaming of several classes (Observable subclasses, Facet subclasses) in the observable namespace and a single property (core:facet) to support improved alignment with the CASE ontology and the forthcoming addition of ObservableObject subclasses.

Focus Exceptions:

Changes (these are changes to ontologies, classes or properties in the preexisting ontology)

Breaking Changes *(these are changes to ontologies, classes or properties in the preexisting ontology that make the new release non-backward-compatible)*

- uco-observable: modified the class name of observable:CyberItem to be observable:ObservableObject - Issue OC-7
- uco-observable: modified the class name of observable:CyberAction to be observable:ObservableAction - Issue OC-7
- uco-observable: modified the class name of observable:CyberRelationship to be observable:ObservableRelationship - Issue OC-7
- uco-observable: modified the class name of observable:CyberObservablePattern to be observable:ObservablePattern - Issue OC-7
- uco-core: modified the property name of core:facets to be core:hasFacet - Issue OC-58
- uco-observable: renamed the Facet subclasses within the observable namespace by appending "Facet" to the end of each subclass name - Issue OC-57

Deprecated Subclass Name	New Subclass Name
observable:Account	observable:AccountFacet
observable:AccountAuthentication	observable:AccountAuthenticationFacet
observable:Application	observable:ApplicationFacet
observable:ApplicationAccount	observable:ApplicationAccountFacet
observable:ArchiveFile	observable:ArchiveFileFacet
observable:Attachment	observable:AttachmentFacet
observable:Audio	observable:AudioFacet
observable:AutonomousSystem	observable:AutonomousSystemFacet
observable:BluetoothAddress	observable:BluetoothAddressFacet
observable:BrowserBookmark	observable:BrowserBookmarkFacet
observable:BrowserCookie	observable:BrowserCookieFacet
observable:Calendar	observable:CalendarFacet
observable:CalendarEntry	observable:CalendarEntryFacet
observable:CompressedStream	observable:CompressedStreamFacet
observable:ComputerSpecification	observable:ComputerSpecificationFacet
observable:Contact	observable:ContactFacet
observable:ContentData	observable:ContentDataFacet
observable:DataRange	observable:DataRangeFacet
observable:Device	observable:DeviceFacet
observable:DigitalAccount	observable:DigitalAccountFacet
observable:DigitalSignatureInfo	observable:DigitalSignatureInfoFacet

observable:Disk	observable:DiskFacet
observable:DiskPartition	observable:DiskPartitionFacet
observable:DomainName	observable:DomainNameFacet
observable:EXIF	observable:EXIFFacet
observable:EmailAccount	observable:EmailAccountFacet
observable:EmailAddress	observable:EmailAddressFacet
observable:EmailMessage	observable:EmailMessageFacet
observable:EncodedStream	observable:EncodedStreamFacet
observable:EncryptedStream	observable:EncryptedStreamFacet
observable:Event	observable:EventFacet
observable:ExtInode	observable:ExtInodeFacet
observable:ExtractedStrings	observable:ExtractedStringsFacet
observable:File	observable:FileFacet
observable:FilePermissions	observable:FilePermissionsFacet
observable:FileSystem	observable:FileSystemFacet
observable:Fragment	observable:FragmentFacet
observable:GeoLocationEntry	observable:GeoLocationEntryFacet
observable:GeoLocationLog	observable:GeoLocationLogFacet
observable:GeoLocationTrack	observable:GeoLocationTrackFacet
observable:HTTPConnection	observable:HTTPConnectionFacet
observable:ICMPConnection	observable:ICMPConnectionFacet
observable:IPv4Address	observable:IPv4AddressFacet
observable:IPv6Address	observable:IPv6AddressFacet
observable:Image	observable:ImageFacet
observable:Library	observable:LibraryFacet
observable:MACAddress	observable:MACAddressFacet
observable:Memory	observable:MemoryFacet
observable:Message	observable:MessageFacet
observable:MessageThread	observable:MessageThreadFacet
observable:MftRecord	observable:MftRecordFacet
observable:MobileAccount	observable:MobileAccountFacet
observable:MobileDevice	observable:MobileDeviceFacet
observable:Mutex	observable:MutexFacet
observable:NTFSFilePermissions	observable:NTFSFilePermissionsFacet
observable:NTFSFileSystem	observable:NTFSFileSystemFacet
observable:NetworkConnection	observable:NetworkConnectionFacet
observable:NetworkFlow	observable:NetworkFlowFacet

observable:NetworkInterface	observable:NetworkInterfaceFacet
observable:Note	observable:NoteFacet
observable:OperatingSystem	observable:OperatingSystemFacet
observable:PDFFile	observable:PDFFileFacet
observable:PathRelation	observable:PathRelationFacet
observable:PhoneAccount	observable:PhoneAccountFacet
observable:PhoneCall	observable:PhoneCallFacet
observable:Process	observable:ProcessFacet
observable:PropertiesEnumeratedEffect	observable:PropertiesEnumeratedEffectFacet
observable:PropertyReadEffect	observable:PropertyReadEffectFacet
observable:RasterPicture	observable:RasterPictureFacet
observable:SIMCard	observable:SIMCardFacet
observable:SMSMessage	observable:SMSMessageFacet
observable:SQLiteBlob	observable:SQLiteBlobFacet
observable:SendControlCodeEffect	observable:SendControlCodeEffectFacet
observable:Software	observable:SoftwareFacet
observable:StateChangeEffect	observable:StateChangeEffectFacet
observable:SymbolicLink	observable:SymbolicLinkFacet
observable:TCPConnection	observable:TCPConnectionFacet
observable:UNIXAccount	observable:UNIXAccountFacet
observable:UNIXFilePermissions	observable:UNIXFilePermissionsFacet
observable:UNIXProcess	observable:UNIXProcessFacet
observable:UNIXVolume	observable:UNIXVolumeFacet
observable:URL	observable:URLFacet
observable:UserAccount	observable:UserAccountFacet
observable:UserSession	observable:UserSessionFacet
observable:ValuesEnumeratedEffect	observable:ValuesEnumeratedEffectFacet
observable:Volume	observable:VolumeFacet
observable:WhoIs	observable:WhoIsFacet
observable:WifiAddress	observable:WifiAddressFacet
observable:WindowsAccount	observable:WindowsAccountFacet
observable:WindowsActiveDirectoryAccount	observable:WindowsActiveDirectoryAccountFacet
observable:WindowsComputerSpecification	observable:WindowsComputerSpecificationFacet
observable:WindowsPEBinaryFile	observable:WindowsPEBinaryFileFacet
observable:WindowsPrefetch	observable:WindowsPrefetchFacet
observable:WindowsProcess	observable:WindowsProcessFacet
observable:WindowsRegistryHive	observable:WindowsRegistryHiveFacet

observable:WindowsRegistryKey	observable:WindowsRegistryKeyFacet
observable:WindowsService	observable:WindowsServiceFacet
observable:WindowsTask	observable:WindowsTaskFacet
observable:WindowsThread	observable:WindowsThreadFacet
observable:WindowsVolume	observable:WindowsVolumeFacet
observable:WirelessNetworkConnection	observable:WirelessNetworkConnectionFacet
observable:X509Certificate	observable:X509CertificateFacet
observable:X509V3Extensions	observable:X509V3ExtensionsFacet

Range Changes *(these are changes to the "range" of a property that are not breaking changes: typically these are broadening in the scope of the range)*

Changes *(these are general changes to the preexisting ontology that are not breaking or range changes)*

Deprecations/Deletions (classes or properties that were deprecated from the ontology)

- uco-investigation: removed the Investigation namespace (investigation.ttl and investigation-da.ttl) from the UCO ontology - Issue OC-6
- uco-master: removed the Investigation namespace (investigation and investigation-da) imports - Issue OC-6

Additions

Class Additions (classes that were added)

Property Additions (properties that were added)

Vocabulary Additions/Changes (vocabularies that were added or modified)

Annotation Changes