## CatalogueDataObject  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "CatalogueDataObject", "type": "object", "required": ["guid", "id", "description", "sourceCode"], "additionalProperties": false, "properties": { "guid": { "type": "string" }, "id": { "type": "string" }, "description": { "type": "string" }, "sourceCode": { "type": "string" } } } ## Communication { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Communication", "type": "object", "required": ["id", "host", "owner", "startingTime", "lastModified", "duration", "communicationStatus"], "additionalProperties": false, "properties": { "id": { "type": "null" }, "host": { "type": "null" }, "owner": { "type": "null" }, "startingTime": { "type": "null" }, "lastModified": { "type": "null" }, "duration": { "type": "null" } , "communicationStatus": { "enum": [ "OPEN", "PENDING", "CLOSED", "PAUSED", "FAILED" ] }, "participantArray": { "type": "array", "items": { "$ref": "../Communication/Participant.json" } }, "communicationQualityArray": { "type": "array", "items": { "$ref": "../Communication/CommunicationQuality.json" } }, "messageArray": { "type": "array", "items": { "$ref": "../Message/Message.json" } } } } ## CommunicationQuality { "$schema": "http://json-schema.org/draft-04/schema#", "id": "CommunicationQuality", "type": "object", "additionalProperties": false, "properties": { "communicationInv": { "$ref": "../Communication/Communication.json" } } } ## HypertyResource { "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyResource", "type": "object", "required": ["connection"], "additionalProperties": false, "properties": { "connection": { "$ref": "../Connection/Connection.json" } } } ## Participant { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Participant", "type": "object", "required": ["participantStatus", "hypertyResource", "identity"], "additionalProperties": false, "properties": { "participantStatus": { "enum": [ ] }, "hypertyResource": { "$ref": "../Communication/HypertyResource.json" }, "identity": { "$ref": "../Identity/Identity.json" } , "communicationInv": { "$ref": "../Communication/Communication.json" } } } ## Connection { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Connection", "type": "object", "required": ["status", "owner", "localIceCandidatesArray", "localConnectionDescriptionArray", "localRtpTransportParametersArray", "remoteIceCandidatesArray", "remoteConnectionDescriptionArray", "remoteRtpTransportParametersArray"], "additionalProperties": false, "properties": { "status": { "type": "null" }, "owner": { "$ref": "../Communication/Participant.json" } , "localIceCandidatesArray": { "$ref": "../Connection/LocalIceCandidates.json" }, "localConnectionDescriptionArray": { "$ref": "../Connection/LocalConnectionDescription.json" }, "localRtpTransportParametersArray": { "$ref": "../Connection/LocalRtpTransportParameters.json" }, "remoteIceCandidatesArray": { "type": "array", "items": { "$ref": "../Connection/RemoteIceCandidates.json" } }, "remoteConnectionDescriptionArray": { "type": "array", "items": { "$ref": "../Connection/RemoteConnectionDescription.json" } }, "remoteRtpTransportParametersArray": { "type": "array", "items": { "$ref": "../Connection/RemoteRtpTransportParameters.json" } } } } ## IceCandidate { "$schema": "http://json-schema.org/draft-04/schema#", "id": "IceCandidate", "type": "object", "required": ["candidate", "sdpMLineIndex", "sdpMid"], "additionalProperties": false, "properties": { "candidate": { "type": "string" }, "sdpMLineIndex": { "type": "integer" }, "sdpMid": { "type": "string" } , "localIceCandidatesInv": { "$ref": "../Connection/LocalIceCandidates.json" }, "remoteIceCandidatesInv": { "$ref": "../Connection/RemoteIceCandidates.json" } } } ## LocalConnectionDescription  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "LocalConnectionDescription", "type": "object", "required": ["sdp"], "additionalProperties": false, "properties": { "sdp": { "type": "string" } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } ## LocalIceCandidates  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "LocalIceCandidates", "type": "object", "required": ["status", "rTCIceConnectionState"], "additionalProperties": false, "properties": { "status": { "enum": [ "new", "checking", "connected", "completed", "failed", "disconnected", "closed" ] } , "rTCIceConnectionState": { "enum": [ "new", "checking", "connected", "completed", "failed", "disconnected", "closed" ] }, "iceCandidateArray": { "type": "array", "items": { "$ref": "../Connection/IceCandidate.json" } } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } ## LocalRtpTransportParameters { "$schema": "http://json-schema.org/draft-04/schema#", "id": "LocalRtpTransportParameters", "type": "object", "required": ["status"], "additionalProperties": false, "properties": { "status": { "type": "null" } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } ## RemoteConnectionDescription { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RemoteConnectionDescription", "type": "object", "required": ["sdp"], "additionalProperties": false, "properties": { "sdp": { "type": "string" } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } ## RemoteIceCandidates { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RemoteIceCandidates", "type": "object", "required": ["status", "rTCIceConnectionState"], "additionalProperties": false, "properties": { "status": { "enum": [ "new", "checking", "connected", "completed", "failed", "disconnected", "closed" ] } , "rTCIceConnectionState": { "enum": [ "new", "checking", "connected", "completed", "failed", "disconnected", "closed" ] }, "iceCandidateArray": { "type": "array", "items": { "$ref": "../Connection/IceCandidate.json" } } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } ## RemoteRtpTransportParameters  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "RemoteRtpTransportParameters", "type": "object", "required": ["status"], "additionalProperties": false, "properties": { "status": { "type": "null" } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } ## Context  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "Context", "type": "object", "required": ["id", "type", "value", "contextValueListArray", "contextType", "contextUnit"], "additionalProperties": false, "properties": { "id": { "type": "string" }, "type": { "$ref": "../Context/ContextType.json" }, "description": { "type": "string" }, "time": { "$ref": "../RethinkType/Date.json" }, "units": { "$ref": "../Context/ContextUnit.json" }, "version": { "type": "integer" }, "value": { "$ref": "../Context/ContextValueList.json" }, "tag": { "type": "string" } , "contextValueListArray": { "$ref": "../Context/ContextValueList.json" }, "contextType": { "$ref": "../Context/ContextType.json" }, "contextUnit": { "$ref": "../Context/ContextUnit.json" } } } ## ContextType  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ContextType", "type": "object", "additionalProperties": false, "properties": { } } ## ContextUnit { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ContextUnit", "type": "object", "additionalProperties": false, "properties": { } } ## ContextValue  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ContextValue", "type": "object", "required": ["name", "units", "value", "booleanValue", "stringValue", "contextUnit"], "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "name": { "type": "string" }, "units": { "$ref": "../Context/ContextUnit.json" }, "value": { "type": "number" }, "booleanValue": { "type": "boolean" }, "stringValue": { "type": "string" }, "sum": { "type": "null" }, "time": { "$ref": "../RethinkType/Date.json" }, "updateTime": { "$ref": "../RethinkType/Date.json" }, "expires": { "$ref": "../RethinkType/Date.json" }, "address": { "$ref": "../URL/HypertyRuntimeURL.json" } , "contextUnit": { "$ref": "../Context/ContextUnit.json" } , "contextValueListInv": { "$ref": "../Context/ContextValueList.json" } } } ## ContextValueList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ContextValueList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "contextValueArray": { "type": "array", "items": { "$ref": "../Context/ContextValue.json" } } , "contextInv": { "$ref": "../Context/Context.json" } } } ## ProcessedContextValue  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ProcessedContextValue", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../Context/ContextValue.json"} ], "properties": { } } ## RawContextValue  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "RawContextValue", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../Context/ContextValue.json"} ], "properties": { } } ## AccessControlPolicy  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "AccessControlPolicy", "type": "object", "additionalProperties": false, "properties": { "hypertyDataObjectSchemaInv": { "$ref": "../DataObjectSchema/HypertyDataObjectSchema.json" } } } ## CommunicationDataObjectSchema  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "CommunicationDataObjectSchema", "type": "object", "required": ["communication"], "additionalProperties": false, "allOf": [ {"$ref": "../DataObjectSchema/HypertyDataObjectSchema.json"} ], "properties": { "communication": { "$ref": "../Communication/Communication.json" } } } ## ConnectionDataObjectSchema { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ConnectionDataObjectSchema", "type": "object", "required": ["connection"], "additionalProperties": false, "allOf": [ {"$ref": "../DataObjectSchema/HypertyDataObjectSchema.json"} ], "properties": { "connection": { "$ref": "../Connection/Connection.json" } } } ## ContextDataObjectSchema { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ContextDataObjectSchema", "type": "object", "required": ["context"], "additionalProperties": false, "allOf": [ {"$ref": "../DataObjectSchema/HypertyDataObjectSchema.json"} ], "properties": { "context": { "$ref": "../Context/Context.json" } } } ## DataObjectSchema { "$schema": "http://json-schema.org/draft-04/schema#", "id": "DataObjectSchema", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../CatalogueDataObject/CatalogueDataObject.json"} ], "properties": { } } ## HypertyDataObjectSchema  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyDataObjectSchema", "type": "object", "required": ["accessControlPolicy"], "additionalProperties": false, "allOf": [ {"$ref": "../DataObjectSchema/DataObjectSchema.json"} ], "properties": { "accessControlPolicy": { "type": "string" } , "accessControlPolicyArray": { "type": "array", "items": { "$ref": "../DataObjectSchema/AccessControlPolicy.json" } } } } ## IdentityDataObjectSchema { "$schema": "http://json-schema.org/draft-04/schema#", "id": "IdentityDataObjectSchema", "type": "object", "required": ["identity"], "additionalProperties": false, "allOf": [ {"$ref": "../DataObjectSchema/HypertyDataObjectSchema.json"} ], "properties": { "identity": { "$ref": "../Identity/Identity.json" } } } ## MessageDataObjectSchema { "$schema": "http://json-schema.org/draft-04/schema#", "id": "MessageDataObjectSchema", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../DataObjectSchema/DataObjectSchema.json"} ], "properties": { } } ## HypertyCommunicationDataObjectInstance  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyCommunicationDataObjectInstance", "type": "object", "required": ["url"], "additionalProperties": false, "allOf": [ {"$ref": "../HypertyDataObjectInstance/HypertyDataObjectInstance.json"} ], "properties": { "url": { "$ref": "../URL/CommunicationURL.json" } } } ## HypertyContextDataObjectInstance { "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyContextDataObjectInstance", "type": "object", "required": ["url"], "additionalProperties": false, "allOf": [ {"$ref": "../HypertyDataObjectInstance/HypertyDataObjectInstance.json"} ], "properties": { "url": { "$ref": "../URL/ContextURL.json" } } } ## HypertyDataObjectInstance { "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyDataObjectInstance", "type": "object", "required": ["owner", "hypertyInstance", "dataObjectSchema"], "additionalProperties": false, "allOf": [ {"$ref": "../RegistryDataObject/RegistryDataObject.json"} ], "properties": { "owner": { "$ref": "../HypertyInstance/HypertyInstance.json" } , "hypertyInstance": { "$ref": "../HypertyInstance/HypertyInstance.json" }, "dataObjectSchema": { "$ref": "../DataObjectSchema/DataObjectSchema.json" } } } ## ConfigurationData { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ConfigurationData", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "configurationDataListInv": { "$ref": "../HypertyDescriptor/ConfigurationDataList.json" } } } ## ConfigurationDataList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ConfigurationDataList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "configurationDataArray": { "type": "array", "items": { "$ref": "../HypertyDescriptor/ConfigurationData.json" } } , "hypertyDescriptorInv": { "$ref": "../HypertyDescriptor/HypertyDescriptor.json" } } } ## HypertyDescriptor  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyDescriptor", "type": "object", "required": ["dataObjects", "type", "messageSchema", "configuration", "policies", "constraints", "hypertyType"], "additionalProperties": false, "allOf": [ {"$ref": "../CatalogueDataObject/CatalogueDataObject.json"} ], "properties": { "dataObjects": { "$ref": "../URL/HypertyCatalogueURLList.json" }, "type": { "$ref": "../HypertyDescriptor/HypertyType.json" }, "messageSchema": { "$ref": "../URL/HypertyCatalogueURL.json" }, "configuration": { "$ref": "../HypertyDescriptor/ConfigurationDataList.json" }, "policies": { "$ref": "../HypertyDescriptor/HypertyPolicyList.json" }, "constraints": { "$ref": "../HypertyDescriptor/RuntimeConstraintList.json" } , "hypertyType": { "$ref": "../HypertyDescriptor/HypertyType.json" }, "hypertyPolicyListArray": { "$ref": "../HypertyDescriptor/HypertyPolicyList.json" }, "runtimeConstraintListArray": { "$ref": "../HypertyDescriptor/RuntimeConstraintList.json" }, "configurationDataListArray": { "$ref": "../HypertyDescriptor/ConfigurationDataList.json" }, "hypertyCatalogueURLListArray": { "type": "array", "items": { "$ref": "../URL/HypertyCatalogueURLList.json" } } } } ## HypertyPolicy { "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyPolicy", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "hypertyPolicyListInv": { "$ref": "../HypertyDescriptor/HypertyPolicyList.json" } } } ## HypertyPolicyList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyPolicyList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "hypertyPolicyArray": { "type": "array", "items": { "$ref": "../HypertyDescriptor/HypertyPolicy.json" } } , "hypertyDescriptorInv": { "$ref": "../HypertyDescriptor/HypertyDescriptor.json" } } } ## HypertyType  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyType", "type": "object", "required": ["COMMUNICATOR", "IDENTITY", "CONTEXT"], "additionalProperties": false, "properties": { "COMMUNICATOR": { "type": "null" }, "IDENTITY": { "type": "null" }, "CONTEXT": { "type": "null" } , "hypertyDescriptorInv": { "$ref": "../HypertyDescriptor/HypertyDescriptor.json" } } } ## RuntimeConstraint  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeConstraint", "type": "object", "required": ["constraint", "runtimeHypertyCapabilityType"], "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "constraint": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapabilityType.json" } , "runtimeHypertyCapabilityType": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapabilityType.json" } , "runtimeConstraintListInv": { "$ref": "../HypertyDescriptor/RuntimeConstraintList.json" } } } ## RuntimeConstraintList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeConstraintList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "runtimeConstraintArray": { "type": "array", "items": { "$ref": "../HypertyDescriptor/RuntimeConstraint.json" } } , "hypertyDescriptorInv": { "$ref": "../HypertyDescriptor/HypertyDescriptor.json" } } } ## HypertyInstance  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyInstance", "type": "object", "required": ["url", "user", "user\_uuid", "runtime", "presence", "hypertyDescriptor", "identity", "hypertyRuntimeInstance", "presenceStatus"], "additionalProperties": false, "allOf": [ {"$ref": "../RegistryDataObject/RegistryDataObject.json"} ], "properties": { "url": { "$ref": "../URL/HypertyURL.json" }, "user": { "$ref": "../URL/UserURL.json" }, "user\_uuid": { "$ref": "../URL/UserUUIDURL.json" }, "runtime": { "$ref": "../HypertyRuntimeInstance/HypertyRuntimeInstance.json" }, "presence": { "$ref": "../HypertyInstance/PresenceStatus.json" } , "hypertyDescriptor": { "$ref": "../HypertyDescriptor/HypertyDescriptor.json" }, "identity": { "$ref": "../Identity/Identity.json" }, "hypertyRuntimeInstance": { "$ref": "../HypertyRuntimeInstance/HypertyRuntimeInstance.json" }, "presenceStatus": { "$ref": "../HypertyInstance/PresenceStatus.json" } } } ## PresenceStatus { "$schema": "http://json-schema.org/draft-04/schema#", "id": "PresenceStatus", "type": "object", "required": ["ONLINE", "OFFLINE", "BUSY", "AWAY"], "additionalProperties": false, "properties": { "ONLINE": { "type": "null" }, "OFFLINE": { "type": "null" }, "BUSY": { "type": "null" }, "AWAY": { "type": "null" } } } ## HypertyResource  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyResource", "type": "object", "required": ["resourceType", "resourceDirection"], "additionalProperties": false, "properties": { "resourceType": { "enum": [ "CHAT", "AUDIO", "VIDEO", "AV", "SCREEN", "FILE", "MIDI" ] }, "resourceDirection": { "enum": [ "IN", "OUT", "INOUT" ] } } } ## HypertyRuntimeDescriptor { "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyRuntimeDescriptor", "type": "object", "required": ["type", "hypertyCapabilities", "protocolCapabilities", "runtimeType", "runtimeHypertyCapabilityListArray", "runtimeProtocolCapabilityListArray"], "additionalProperties": false, "allOf": [ {"$ref": "../CatalogueDataObject/CatalogueDataObject.json"} ], "properties": { "type": { "$ref": "../HypertyRuntimeDescriptor/RuntimeType.json" }, "hypertyCapabilities": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapabilityList.json" }, "protocolCapabilities": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapabilityList.json" } , "runtimeType": { "$ref": "../HypertyRuntimeDescriptor/RuntimeType.json" }, "runtimeHypertyCapabilityListArray": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapabilityList.json" }, "runtimeProtocolCapabilityListArray": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapabilityList.json" } } } ## RuntimeHypertyCapability  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeHypertyCapability", "type": "object", "required": ["type", "runtimeHypertyCapabilityType"], "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "type": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapabilityType.json" } , "runtimeHypertyCapabilityType": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapabilityType.json" } , "runtimeHypertyCapabilityListInv": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapabilityList.json" } } } ## RuntimeHypertyCapabilityList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeHypertyCapabilityList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "runtimeHypertyCapabilityArray": { "type": "array", "items": { "$ref": "../HypertyRuntimeDescriptor/RuntimeHypertyCapability.json" } } , "hypertyRuntimeDescriptorInv": { "$ref": "../HypertyRuntimeDescriptor/HypertyRuntimeDescriptor.json" } } } ## RuntimeHypertyCapabilityType  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeHypertyCapabilityType", "type": "object", "required": ["MIC", "CAMERA", "SENSOR", "WEBRTC", "ORTC"], "additionalProperties": false, "properties": { "MIC": { "type": "null" }, "CAMERA": { "type": "null" }, "SENSOR": { "type": "null" }, "WEBRTC": { "type": "null" }, "ORTC": { "type": "null" } } } ## RuntimeProtocolCapability { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeProtocolCapability", "type": "object", "required": ["type", "runtimeProtocolCapabilityType"], "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "type": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapabilityType.json" } , "runtimeProtocolCapabilityType": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapabilityType.json" } , "runtimeProtocolCapabilityListInv": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapabilityList.json" } } } ## RuntimeProtocolCapabilityList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeProtocolCapabilityList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "runtimeProtocolCapabilityArray": { "type": "array", "items": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapability.json" } } , "hypertyRuntimeDescriptorInv": { "$ref": "../HypertyRuntimeDescriptor/HypertyRuntimeDescriptor.json" } } } ## RuntimeProtocolCapabilityType  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeProtocolCapabilityType", "type": "object", "required": ["HTTP", "HTTPS", "WS", "WSS", "COAP", "DataChannel"], "additionalProperties": false, "properties": { "HTTP": { "type": "null" }, "HTTPS": { "type": "null" }, "WS": { "type": "null" }, "WSS": { "type": "null" }, "COAP": { "type": "null" }, "DataChannel": { "type": "null" } } } ## RuntimeType { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeType", "type": "object", "required": ["browser", "standalone", "server", "gateway"], "additionalProperties": false, "properties": { "browser": { "type": "null" }, "standalone": { "type": "null" }, "server": { "type": "null" }, "gateway": { "type": "null" } } } ## HypertyRuntimeInstance  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyRuntimeInstance", "type": "object", "required": ["url", "domains", "hypertyRuntimeURL", "urlList"], "additionalProperties": false, "allOf": [ {"$ref": "../RegistryDataObject/RegistryDataObject.json"} ], "properties": { "url": { "$ref": "../URL/HypertyRuntimeURL.json" }, "domains": { "$ref": "../URL/UrlList.json" } , "hypertyRuntimeURL": { "$ref": "../URL/HypertyRuntimeURL.json" }, "urlList": { "$ref": "../URL/UrlList.json" } } } ## AccessToken  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "AccessToken", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../Identity/JWT.json"} ], "properties": { "authorisationDataInv": { "$ref": "../Identity/AuthorisationData.json" } } } ## AuthenticationData { "$schema": "http://json-schema.org/draft-04/schema#", "id": "AuthenticationData", "type": "object", "required": ["iDTokenArray"], "additionalProperties": false, "properties": { "iDTokenArray": { "type": "array", "items": { "$ref": "../Identity/IDToken.json" } } , "identityInv": { "$ref": "../Identity/Identity.json" } } } ## AuthorisationData  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "AuthorisationData", "type": "object", "required": ["accessTokenArray"], "additionalProperties": false, "properties": { "accessTokenArray": { "type": "array", "items": { "$ref": "../Identity/AccessToken.json" } } , "identityInv": { "$ref": "../Identity/Identity.json" } } } ## IdAssertion { "$schema": "http://json-schema.org/draft-04/schema#", "id": "IdAssertion", "type": "object", "required": ["assertion", "idp", "scope", "idValidation"], "additionalProperties": false, "properties": { "assertion": { "type": "string" }, "idp": { "$ref": "../URL/URL.json" }, "scope": { "type": "string" } , "idValidation": { "$ref": "../Identity/IdValidation.json" } , "identityInv": { "$ref": "../Identity/Identity.json" } } } ## Identity { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Identity", "type": "object", "required": ["guid", "identifiers", "userHypertyAccount", "identityType", "authenticationDataArray", "userProfileArray"], "additionalProperties": false, "properties": { "guid": { "$ref": "../URL/UserUUIDURL.json" }, "identifiers": { "$ref": "../URL/UserURL.json" } , "userHypertyAccount": { "$ref": "../UserHypertyAccount/UserHypertyAccount.json" }, "identityType": { "enum": [ "HUMAN", "ORGANISATION", "PHYSICAL\_SPACE", "PHYSICAL\_OBJECT" ] }, "authenticationDataArray": { "type": "array", "items": { "$ref": "../Identity/AuthenticationData.json" } }, "authorisationDataArray": { "type": "array", "items": { "$ref": "../Identity/AuthorisationData.json" } }, "userProfileArray": { "type": "array", "items": { "$ref": "../Identity/UserProfile.json" } }, "serviceAddressArray": { "type": "array", "items": { "$ref": "../Identity/ServiceAddress.json" } }, "idAssertionArray": { "type": "array", "items": { "$ref": "../Identity/IdAssertion.json" } } } } ## IDToken  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "IDToken", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../Identity/JWT.json"} ], "properties": { "authenticationDataInv": { "$ref": "../Identity/AuthenticationData.json" } } } ## IdValidation { "$schema": "http://json-schema.org/draft-04/schema#", "id": "IdValidation", "type": "object", "required": ["identity", "contents"], "additionalProperties": false, "properties": { "identity": { "type": "string" }, "contents": { "type": "string" } } } ## JWT  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "JWT", "type": "object", "additionalProperties": false, "properties": { } } ## ServiceAddress { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ServiceAddress", "type": "object", "required": ["address", "serviceType"], "additionalProperties": false, "properties": { "address": { "$ref": "../URL/URL.json" } , "serviceType": { "$ref": "../Identity/ServiceType.json" } , "identityInv": { "$ref": "../Identity/Identity.json" } } } ## ServiceType { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ServiceType", "type": "object", "required": ["E164\_TELEPHONY", "VOIP\_SIP", "EMAIL", "W3C\_PUSH", "TWITTER"], "additionalProperties": false, "properties": { "E164\_TELEPHONY": { "type": "null" }, "VOIP\_SIP": { "type": "null" }, "EMAIL": { "type": "null" }, "W3C\_PUSH": { "type": "null" }, "TWITTER": { "type": "null" } } } ## UserProfile  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "UserProfile", "type": "object", "required": ["username", "cn", "avatar"], "additionalProperties": false, "properties": { "username": { "type": "string" }, "cn": { "type": "string" }, "avatar": { "$ref": "../URL/URL.json" } , "identityInv": { "$ref": "../Identity/Identity.json" } } } ## CreateMessageBody { "$schema": "http://json-schema.org/draft-04/schema#", "id": "CreateMessageBody", "type": "object", "required": ["resource", "value"], "additionalProperties": false, "allOf": [ {"$ref": "../Message/MessageBody.json"} ], "properties": { "resource": { "$ref": "../URL/URL.json" }, "policy": { "$ref": "../URL/URL.json" }, "value": { "type": "string" } } } ## DeleteMessageBody  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "DeleteMessageBody", "type": "object", "required": ["resource"], "additionalProperties": false, "allOf": [ {"$ref": "../Message/MessageBody.json"} ], "properties": { "resource": { "$ref": "../URL/URL.json" }, "attribute": { "type": "string" } } } ## Message { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Message", "type": "object", "required": ["id", "from", "to", "type", "contextId", "body", "messageType", "uRL", "messageBodyArray"], "additionalProperties": false, "properties": { "id": { "type": "string" }, "from": { "$ref": "../URL/URL.json" }, "to": { "$ref": "../URL/UrlList.json" }, "type": { "$ref": "../Message/MessageType.json" }, "contextId": { "type": "null" }, "body": { "$ref": "../Message/MessageBody.json" }, "signature": { "type": "null" } , "messageType": { "$ref": "../Message/MessageType.json" }, "uRL": { "$ref": "../URL/URL.json" }, "messageBodyArray": { "$ref": "../Message/MessageBody.json" } } } ## MessageBody { "$schema": "http://json-schema.org/draft-04/schema#", "id": "MessageBody", "type": "object", "additionalProperties": false, "properties": { "idToken": { "$ref": "../Identity/JWT.json" }, "accessToken": { "$ref": "../Identity/JWT.json" } , "messageInv": { "$ref": "../Message/Message.json" } } } ## MessageType { "$schema": "http://json-schema.org/draft-04/schema#", "id": "MessageType", "type": "object", "required": ["CREATE", "UPDATE", "DELETE", "READ", "SUBSCRIBE", "UNSUBSCRIBE", "RESPONSE"], "additionalProperties": false, "properties": { "CREATE": { "type": "null" }, "UPDATE": { "type": "null" }, "DELETE": { "type": "null" }, "READ": { "type": "null" }, "SUBSCRIBE": { "type": "null" }, "UNSUBSCRIBE": { "type": "null" }, "RESPONSE": { "type": "null" } } } ## ReadMessageBody  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ReadMessageBody", "type": "object", "required": ["resource"], "additionalProperties": false, "allOf": [ {"$ref": "../Message/MessageBody.json"} ], "properties": { "resource": { "$ref": "../URL/URL.json" }, "attribute": { "type": "string" }, "criteriaSyntax": { "type": "string" }, "criteria": { "type": "string" } } } ## ResponseCode { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ResponseCode", "type": "object", "additionalProperties": false, "properties": { } } ## ResponseMessageBody  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ResponseMessageBody", "type": "object", "required": ["code", "responseCode"], "additionalProperties": false, "allOf": [ {"$ref": "../Message/MessageBody.json"} ], "properties": { "code": { "$ref": "../Message/ResponseCode.json" }, "description": { "type": "string" }, "value": { "type": "string" } , "responseCode": { "$ref": "../Message/ResponseCode.json" } } } ## SubscribeMessageBody  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "SubscribeMessageBody", "type": "object", "required": ["resource"], "additionalProperties": false, "allOf": [ {"$ref": "../Message/MessageBody.json"} ], "properties": { "resource": { "$ref": "../URL/URL.json" }, "expires": { "type": "string" } } } ## UnsubscribeMessageBody { "$schema": "http://json-schema.org/draft-04/schema#", "id": "UnsubscribeMessageBody", "type": "object", "required": ["resource"], "additionalProperties": false, "allOf": [ {"$ref": "../Message/MessageBody.json"} ], "properties": { "resource": { "$ref": "../URL/URL.json" } } } ## UpdateMessageBody { "$schema": "http://json-schema.org/draft-04/schema#", "id": "UpdateMessageBody", "type": "object", "required": ["resource", "value"], "additionalProperties": false, "allOf": [ {"$ref": "../Message/MessageBody.json"} ], "properties": { "resource": { "$ref": "../URL/URL.json" }, "attribute": { "type": "string" }, "value": { "type": "string" } } } ## ConfigurationData { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ConfigurationData", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "configurationDataListInv": { "$ref": "../ProtoStubDescriptor/ConfigurationDataList.json" } } } ## ConfigurationDataList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ConfigurationDataList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "configurationDataArray": { "type": "array", "items": { "$ref": "../ProtoStubDescriptor/ConfigurationData.json" } } , "protoStubDescriptorInv": { "$ref": "../ProtoStubDescriptor/ProtoStubDescriptor.json" } } } ## ProtoStubDescriptor  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ProtoStubDescriptor", "type": "object", "required": ["messageSchemas", "configuration", "constraints"], "additionalProperties": false, "allOf": [ {"$ref": "../CatalogueDataObject/CatalogueDataObject.json"} ], "properties": { "messageSchemas": { "$ref": "../URL/HypertyCatalogueURL.json" }, "configuration": { "$ref": "../ProtoStubDescriptor/ConfigurationDataList.json" }, "constraints": { "$ref": "../ProtoStubDescriptor/RuntimeConstraintList.json" } , "runtimeConstraintListArray": { "type": "array", "items": { "$ref": "../ProtoStubDescriptor/RuntimeConstraintList.json" } }, "configurationDataListArray": { "type": "array", "items": { "$ref": "../ProtoStubDescriptor/ConfigurationDataList.json" } }, "hypertyCatalogueURLArray": { "type": "array", "items": { "$ref": "../URL/HypertyCatalogueURL.json" } } } } ## RuntimeConstraint  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeConstraint", "type": "object", "required": ["constraint", "runtimeProtocolCapabilityType"], "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "constraint": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapabilityType.json" } , "runtimeProtocolCapabilityType": { "$ref": "../HypertyRuntimeDescriptor/RuntimeProtocolCapabilityType.json" } , "runtimeConstraintListInv": { "$ref": "../ProtoStubDescriptor/RuntimeConstraintList.json" } } } ## RuntimeConstraintList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RuntimeConstraintList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "runtimeConstraintArray": { "type": "array", "items": { "$ref": "../ProtoStubDescriptor/RuntimeConstraint.json" } } , "protoStubDescriptorInv": { "$ref": "../ProtoStubDescriptor/ProtoStubDescriptor.json" } } } ## ProtoStubInstance  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ProtoStubInstance", "type": "object", "required": ["runtime", "protoStubDescriptor", "hypertyRuntimeInstance"], "additionalProperties": false, "allOf": [ {"$ref": "../RegistryDataObject/RegistryDataObject.json"} ], "properties": { "runtime": { "$ref": "../HypertyRuntimeInstance/HypertyRuntimeInstance.json" } , "protoStubDescriptor": { "$ref": "../ProtoStubDescriptor/ProtoStubDescriptor.json" }, "hypertyRuntimeInstance": { "$ref": "../HypertyRuntimeInstance/HypertyRuntimeInstance.json" } } } ## RegistryDataObject { "$schema": "http://json-schema.org/draft-04/schema#", "id": "RegistryDataObject", "type": "object", "required": ["id", "url", "descriptor", "startingTime", "lastModified", "status", "registryDataObjectStatus"], "additionalProperties": false, "properties": { "id": { "type": "string" }, "url": { "$ref": "../URL/URL.json" }, "descriptor": { "$ref": "../URL/HypertyCatalogueURL.json" }, "startingTime": { "$ref": "../RethinkType/Date.json" }, "lastModified": { "$ref": "../RethinkType/Date.json" }, "status": { "enum": [ "CREATED", "LIVE", "DEAD" ] } , "registryDataObjectStatus": { "enum": [ "CREATED", "LIVE", "DEAD" ] } } } ## Date  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "Date", "type": "object", "additionalProperties": false, "properties": { } } ## List { "$schema": "http://json-schema.org/draft-04/schema#", "id": "List", "type": "object", "additionalProperties": false, "properties": { "listElementArray": { "type": "array", "items": { "$ref": "../RethinkType/ListElement.json" } } } } ## ListElement { "$schema": "http://json-schema.org/draft-04/schema#", "id": "ListElement", "type": "object", "additionalProperties": false, "properties": { "listInv": { "$ref": "../RethinkType/List.json" } } } ## CommunicationURL { "$schema": "http://json-schema.org/draft-04/schema#", "id": "CommunicationURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "comm" } } } ## ContextURL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "ContextURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "ctxt" } } } ## DomainURL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "DomainURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "domain" } } } ## HypertyCatalogueURL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyCatalogueURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "hyperty-catalogue" } } } ## HypertyCatalogueURLList  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyCatalogueURLList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { } } ## HypertyRuntimeURL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyRuntimeURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "hyperty-runtime" } } } ## HypertyURL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "hyperty" } } } ## URL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "URL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/ListElement.json"} ], "properties": { "scheme": { "type": "string" }, "username": { "type": "string" }, "password": { "type": "string" }, "host": { "type": "string" }, "port": { "type": "string" }, "path": { "type": "string" }, "query": { "type": "string" }, "fragment": { "type": "string" } , "urlListInv": { "$ref": "../URL/UrlList.json" } } } ## UrlList { "$schema": "http://json-schema.org/draft-04/schema#", "id": "UrlList", "type": "object", "additionalProperties": false, "allOf": [ {"$ref": "../RethinkType/List.json"} ], "properties": { "uRLArray": { "type": "array", "items": { "$ref": "../URL/URL.json" } } } } ## UserAccountURL { "$schema": "http://json-schema.org/draft-04/schema#", "id": "UserAccountURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "acct" } } } ## UserURL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "UserURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "user" } } } ## UserUUIDURL  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "UserUUIDURL", "type": "object", "required": ["scheme"], "additionalProperties": false, "allOf": [ {"$ref": "../URL/URL.json"} ], "properties": { "scheme": { "constant": "user-uuid" } } } ## UserHypertyAccount  
{ "$schema": "http://json-schema.org/draft-04/schema#", "id": "UserHypertyAccount", "type": "object", "required": ["id", "account", "hyperty"], "additionalProperties": false, "properties": { "id": { "type": "null" }, "account": { "$ref": "../URL/UserURL.json" }, "hyperty": { "$ref": "../URL/HypertyURL.json" } , "userHypertyPolicyArray": { "type": "array", "items": { "$ref": "../UserHypertyAccount/UserHypertyPolicy.json" } }, "userHypertyConfigurationDataArray": { "type": "array", "items": { "$ref": "../UserHypertyAccount/UserHypertyConfigurationData.json" } } } } ## UserHypertyConfigurationData { "$schema": "http://json-schema.org/draft-04/schema#", "id": "UserHypertyConfigurationData", "type": "object", "additionalProperties": false, "properties": { "userHypertyAccountInv": { "$ref": "../UserHypertyAccount/UserHypertyAccount.json" } } } ## UserHypertyPolicy { "$schema": "http://json-schema.org/draft-04/schema#", "id": "UserHypertyPolicy", "type": "object", "additionalProperties": false, "properties": { "userHypertyAccountInv": { "$ref": "../UserHypertyAccount/UserHypertyAccount.json" } } } ## rethink-data-model ## CatalogueDataObject ## Communication ## CommunicationQuality ## HypertyResource ## Participant ## Connection ## IceCandidate ## LocalConnectionDescription ## LocalIceCandidates ## LocalRtpTransportParameters ## RemoteConnectionDescription ## RemoteIceCandidates ## RemoteRtpTransportParameters ## Context ## ContextType ## ContextUnit ## ContextValue ## ContextValueList ## ProcessedContextValue ## RawContextValue ## AccessControlPolicy ## CommunicationDataObjectSchema ## ConnectionDataObjectSchema ## ContextDataObjectSchema ## DataObjectSchema ## HypertyDataObjectSchema ## IdentityDataObjectSchema ## MessageDataObjectSchema ## HypertyCommunicationDataObjectInstance ## HypertyContextDataObjectInstance ## HypertyDataObjectInstance ## ConfigurationData ## ConfigurationDataList ## HypertyDescriptor ## HypertyPolicy ## HypertyPolicyList ## HypertyType ## RuntimeConstraint ## RuntimeConstraintList ## HypertyInstance ## PresenceStatus ## HypertyResource ## HypertyRuntimeDescriptor ## RuntimeHypertyCapability ## RuntimeHypertyCapabilityList ## RuntimeHypertyCapabilityType ## RuntimeProtocolCapability ## RuntimeProtocolCapabilityList ## RuntimeProtocolCapabilityType ## RuntimeType ## HypertyRuntimeInstance ## AccessToken ## AuthenticationData ## AuthorisationData ## IdAssertion ## Identity ## IDToken ## IdValidation ## JWT ## ServiceAddress ## ServiceType ## UserProfile ## CreateMessageBody ## DeleteMessageBody ## Message ## MessageBody ## MessageType ## ReadMessageBody ## ResponseCode ## ResponseMessageBody ## SubscribeMessageBody ## UnsubscribeMessageBody ## UpdateMessageBody ## ConfigurationData ## ConfigurationDataList ## ProtoStubDescriptor ## RuntimeConstraint ## RuntimeConstraintList ## ProtoStubInstance ## RegistryDataObject ## Date ## List ## ListElement ## CommunicationURL ## ContextURL ## DomainURL ## HypertyCatalogueURL ## HypertyCatalogueURLList ## HypertyRuntimeURL ## HypertyURL ## URL ## UrlList ## UserAccountURL ## UserURL ## UserUUIDURL ## UserHypertyAccount ## UserHypertyConfigurationData ## UserHypertyPolicy ## rethink-data-model ## CatalogueDataObject ## Communication ## CommunicationQuality ## HypertyResource ## Participant ## Connection ## IceCandidate ## LocalConnectionDescription ## LocalIceCandidates ## LocalRtpTransportParameters ## RemoteConnectionDescription ## RemoteIceCandidates ## RemoteRtpTransportParameters ## Context ## ContextType ## ContextUnit ## ContextValue ## ContextValueList ## ProcessedContextValue ## RawContextValue ## AccessControlPolicy ## CommunicationDataObjectSchema ## ConnectionDataObjectSchema ## ContextDataObjectSchema ## DataObjectSchema ## HypertyDataObjectSchema ## IdentityDataObjectSchema ## MessageDataObjectSchema ## HypertyCommunicationDataObjectInstance ## HypertyContextDataObjectInstance ## HypertyDataObjectInstance ## ConfigurationData ## ConfigurationDataList ## HypertyDescriptor ## HypertyPolicy ## HypertyPolicyList ## HypertyType ## RuntimeConstraint ## RuntimeConstraintList ## HypertyInstance ## PresenceStatus ## HypertyResource ## HypertyRuntimeDescriptor ## RuntimeHypertyCapability ## RuntimeHypertyCapabilityList ## RuntimeHypertyCapabilityType ## RuntimeProtocolCapability ## RuntimeProtocolCapabilityList ## RuntimeProtocolCapabilityType ## RuntimeType ## HypertyRuntimeInstance ## AccessToken ## AuthenticationData ## AuthorisationData ## IdAssertion ## Identity ## IDToken ## IdValidation ## JWT ## ServiceAddress ## ServiceType ## UserProfile ## CreateMessageBody ## DeleteMessageBody ## Message ## MessageBody ## MessageType ## ReadMessageBody ## ResponseCode ## ResponseMessageBody ## SubscribeMessageBody ## UnsubscribeMessageBody ## UpdateMessageBody ## ConfigurationData ## ConfigurationDataList ## ProtoStubDescriptor ## RuntimeConstraint ## RuntimeConstraintList ## ProtoStubInstance ## RegistryDataObject ## Date ## List ## ListElement ## CommunicationURL ## ContextURL ## DomainURL ## HypertyCatalogueURL ## HypertyCatalogueURLList ## HypertyRuntimeURL ## HypertyURL ## URL ## UrlList ## UserAccountURL ## UserURL ## UserUUIDURL ## UserHypertyAccount ## UserHypertyConfigurationData ## UserHypertyPolicy ## rethink-data-model { "$schema": "http://json-schema.org/draft-04/schema#", "id": "CatalogueDataObject", "type": "object", "required": ["guid", "id", "description", "sourceCode"], "additionalProperties": false, "properties": { "guid": { "type": "string" }, "id": { "type": "string" }, "description": { "type": "string" }, "sourceCode": { "type": "string" } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Communication", "type": "object", "required": ["id", "host", "owner", "startingTime", "lastModified", "duration", "communicationStatus"], "additionalProperties": false, "properties": { "id": { "type": "null" }, "host": { "type": "null" }, "owner": { "type": "null" }, "startingTime": { "type": "null" }, "lastModified": { "type": "null" }, "duration": { "type": "null" } , "communicationStatus": { "enum": [ "OPEN", "PENDING", "CLOSED", "PAUSED", "FAILED" ] }, "participantArray": { "type": "array", "items": { "$ref": "../Communication/Participant.json" } }, "communicationQualityArray": { "type": "array", "items": { "$ref": "../Communication/CommunicationQuality.json" } }, "messageArray": { "type": "array", "items": { "$ref": "../Message/Message.json" } } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "CommunicationQuality", "type": "object", "additionalProperties": false, "properties": { "communicationInv": { "$ref": "../Communication/Communication.json" } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "HypertyResource", "type": "object", "required": ["connection"], "additionalProperties": false, "properties": { "connection": { "$ref": "../Connection/Connection.json" } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Participant", "type": "object", "required": ["participantStatus", "hypertyResource", "identity"], "additionalProperties": false, "properties": { "participantStatus": { "enum": [ ] }, "hypertyResource": { "$ref": "../Communication/HypertyResource.json" }, "identity": { "$ref": "../Identity/Identity.json" } , "communicationInv": { "$ref": "../Communication/Communication.json" } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "Connection", "type": "object", "required": ["status", "owner", "localIceCandidatesArray", "localConnectionDescriptionArray", "localRtpTransportParametersArray", "remoteIceCandidatesArray", "remoteConnectionDescriptionArray", "remoteRtpTransportParametersArray"], "additionalProperties": false, "properties": { "status": { "type": "null" }, "owner": { "$ref": "../Communication/Participant.json" } , "localIceCandidatesArray": { "$ref": "../Connection/LocalIceCandidates.json" }, "localConnectionDescriptionArray": { "$ref": "../Connection/LocalConnectionDescription.json" }, "localRtpTransportParametersArray": { "$ref": "../Connection/LocalRtpTransportParameters.json" }, "remoteIceCandidatesArray": { "type": "array", "items": { "$ref": "../Connection/RemoteIceCandidates.json" } }, "remoteConnectionDescriptionArray": { "type": "array", "items": { "$ref": "../Connection/RemoteConnectionDescription.json" } }, "remoteRtpTransportParametersArray": { "type": "array", "items": { "$ref": "../Connection/RemoteRtpTransportParameters.json" } } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "IceCandidate", "type": "object", "required": ["candidate", "sdpMLineIndex", "sdpMid"], "additionalProperties": false, "properties": { "candidate": { "type": "string" }, "sdpMLineIndex": { "type": "integer" }, "sdpMid": { "type": "string" } , "localIceCandidatesInv": { "$ref": "../Connection/LocalIceCandidates.json" }, "remoteIceCandidatesInv": { "$ref": "../Connection/RemoteIceCandidates.json" } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "LocalConnectionDescription", "type": "object", "required": ["sdp"], "additionalProperties": false, "properties": { "sdp": { "type": "string" } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": "LocalIceCandidates", "type": "object", "required": ["status", "rTCIceConnectionState"], "additionalProperties": false, "properties": { "status": { "enum": [ "new", "checking", "connected", "completed", "failed", "disconnected", "closed" ] } , "rTCIceConnectionState": { "enum": [ "new", "checking", "connected", "completed", "failed", "disconnected", "closed" ] }, "iceCandidateArray": { "type": "array", "items": { "$ref": "../Connection/IceCandidate.json" } } , "connectionInv": { "$ref": "../Connection/Connection.json" } } } { "$schema": "http://json-schema.org/draft-04/schema#", "id": 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