VS_BLUEPRINTS_CATALOGUE

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1 Vertical Service

1.1 VsBlueprint extends Blueprint

- SliceServiceType sliceServiceType
- EMBBServiceCategory embbServiceCategory
- URLLCServiceCategory urllcServiceCategory

1.2 SliceServiceType - Enum

- NONE
- EMBB
- URLLC
- M_IOT
- ENTERPRISE
- NFV_IAAS

1.3 EMBBServiceCategory - Enum

- URBAN_MACRO
- RURAL_MACRO
- INDOOR_HOTSPOT
- BROADBAND_ACCESS_IN_A_CROWD
- DENSE_URBAN
- BROADBAND_LIKE_SERVICES
- HIGH_SPEED_TRAIN
- HIGH_SPEED_VEHICLE
- AIRPLANES_CONNECTIVITY

1.4 URLLCServiceCategory - Enum

- DISCRETE_AUTOMATION

- PROCESS_AUTOMATION_REMOTE_CONTROL

- PROCESS_AUTOMATION_MONITORING

- ELECTRICITY_DISTRIBUTION_HIGH_VOLTAGE

- ELECTRICITY_DISTRIBUTION_MEDIUM_VOLTAGE

- INTELLIGENT_TRANSPORT_SYSTEMS_INFRASTRUCTURE_BACKHAUL

1.5 Blueprint

- Long id

- String blueprintId

- String version

- String name

- String description

- List[VsBlueprintParameter] parameters

- List[VsComponent] atomicComponents

- List[VsbForwardingPathHop] serviceSequence

- List[VsbEndpoint] endPoints

- List[VsbLink] connectivityServices

- List[String] configurableParameters

- List[ApplicationMetric] applicationMetrics

- boolean interSite

1.6 VsBlueprintParameter

- String parameterId

- String parameterName

- String parameterType

- String parameterDescription

- String applicabilityField

1.7 VsComponent

- Long id
- Blueprint vsb
- String componentId
- int serversNumber
- List[String] imagesUrls
- List[String] endPointsIds
- Map[String, String] lifecycleOperations
- VsComponentPlacement placement
- VsComponentType type
- String associatedVsbId
- String compatibleSite

1.8 VsComponentPlacement - ENUM

- EDGE
- CLOUD

1.9 VsComponentType - ENUM

- SERVICE
- FUNCTION
- OTHER

1.10 VsbForwardingPathHop

- Long id
- Blueprint vsb
- List[VsbForwardingPathEndPoint] hopEndPoints

1.11 VsbForwardingPathEndPoint

- String vsComponentId;
- String endPointId;

1.12 VsbEndpoint

- String endPointId

- boolean external

- boolean management

- boolean ranConnection

1.13 VsbLink

- Long id

- Blueprint vsb

- List[String] endPointIds

- boolean external

- String name

- List[String] connectivityProperties

1.14 ApplicationMetric

- String topic

- String metricId

- String name

- MetricCollectionType metricCollectionType

- String unit

- String interval

1.15 VsBlueprintInfo

- Long id

- String vsBlueprintId

- String vsBlueprintVersion

- String name

- String owner

- VsBlueprint vsBlueprint (Transient)

- List[String] onBoardedNsdInfoId

- List[String] onBoardedNstInfoId

- List[String] onBoardedVnfPackageInfoId

- List[String] onBoardedMecAppPackageInfoId

- List[String] activeVsdId

1.16 VsdNsdTranslationRule

- Long id

- List[VsdParameterValueRange] input

- String blueprintId

- String nstId

- String nsdId

- String nsdVersion

- String nsFlavourId

- String nsInstantiationLevelId

- String nsdInfoId

1.17 VsdParameterValueRange

- String parameterId

- int minValue

- int maxValue

2 VS Descriptor

2.1 VsDescriptor

- Long id

- String vsDescriptorId

- String name

- String version

- String vsBlueprintId

- SliceManagementControlType managementType

- Map[String, String] qosParameters

- boolean isPublic

- String tenantId

- List[ServiceConstraints] serviceConstraints

- VsdSla sla

- SliceServiceParameters sliceServiceParameters

- Map[String, String] nestedVsdIds

- String associatedVsdId

- String domainId

2.2 SliceManagementControlType - Enum

- PROVIDER_MANAGED

- TENANT_MANAGED

2.3 ServiceConstraints

- Long id

- VsDescriptor vsd

- boolean sharable

- boolean canIncludeSharedElements

- ServicePriorityLevel priority

- List[String] preferredProviders

- List[String] nonPreferredProviders

- List[String] prohibitedProviders

- String atomicComponentId

2.4 ServicePriorityLevel - Enum

- LOW

- MEDIUM

- HIGH

2.5   VsdSla

- ServiceCreationTimeRange serviceCreationTime

- AvailabilityCoverageRange availabilityCoverage

- boolean lowCostRequired

2.6   ServiceCreationTimeRange - Enum

- SERVICE_CREATION_TIME_LOW

- SERVICE_CREATION_TIME_MEDIUM

- UNDEFINED

2.7   AvailabilityCoverageRange - Enum

- AVAILABILITY_COVERAGE_HIGH

- AVAILABILITY_COVERAGE_MEDIUM

- UNDEFINED

2.8   SliceServiceParameters (abstract)

- Long id

3   NS Templates

3.1   NsTemplateInfo

- Long id

- String nstInfoId

- String nsTemplateId

- String name

- String nsTemplateVersion

- String designer

- NST nst

- List[String] onBoardedNsdInfoId

- List[String] onBoardedNstInfoId

- List [String] onBoardedVnfPackageInfoId

- List[String] onBoardedMecAppPackageInfoId

- OperationalState operationalState

- UsageState usageState

- boolean deletionPending

- SliceServiceType sst

- Map[String, String] userDefinedData

3.2   OperationalState - Enum

- ENABLED

- DISABLED

3.3   UsageState - Enum

- IN_USE

- NOT_IN_USE

3.4   SliceServiceType - Enum

(EMPTY)

3.5   NST

(NOT FOUND)