



# Relationship Normalization Table

Version 2.0 of the Common Data Model (CDM) has far fewer relationship classes than version 1.1. By instantiating relationships with specific CI classes and correctly populating the `Name` attribute, you can still achieve the same level of categorization with your relationships as in version 1.1. This table maps each CDM 1.1 relationship class to the 2.0 class you should use instead, also giving the value to use in the `Name` attribute and the CI classes you should relate with the class. Classes that are product-specific extensions to the CDM in version 2.0 are marked with an asterisk (\*). For more information about how specific classes are handled when upgrading from version 1.1 to version 2.0, see Appendix A of the *BMC Atrium CMDB 2.0 Installation and Configuration Guide*.

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**Tip:** Use only the values in this table when populating the `Name` attribute to make your data compatible with future versions of BMC Software products, which will enforce these values.

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1.1 relationship class	2.0 relationship class	Name attribute value	Parent CI class	Child CI class
BMC_AffinityDependency	BMC_Dependency	AFFINITYDEPENDENCY	BMC_System	BMC_System
BMC_ApplicationSystemAdminServicePort	BMC_Dependency	APPLICATIONSYSTEMADMINSERVICEPORT	BMC_ProtocolEndpoint	BMC_ApplicationSystem
BMC_ApplicationSystemClientSAP	BMC_Dependency	APPLICATIONSYSTEMCLIENTSAP	BMC_ProtocolEndpoint	BMC_ApplicationSystem
BMC_ApplicationSystemComputer	BMC_Dependency	APPLICATIONSYSTEMCOMPUTER	BMC_ComputerSystem	BMC_ApplicationSystem
BMC_ApplicationSystemDependency	BMC_Dependency	APPLICATIONSYSTEMDEPENDENCY	BMC_ApplicationSystem	BMC_ApplicationSystem
BMC_ApplicationSystemHierarchy	BMC_Component	APPLICATIONSYSTEMHIERARCHY	BMC_ApplicationSystem	BMC_ApplicationSystem
BMC_ApplicationSystemOS	BMC_Dependency	APPLICATIONSYSTEMOS	BMC_OperatingSystem	BMC_ApplicationSystem
BMC_ApplicationSystemProduct	BMC_Dependency	APPLICATIONSYSTEMPRODUCT	BMC_Product	BMC_ApplicationSystem
BMC_ApplicationSystemSAP	BMC_Dependency	APPLICATIONSYSTEMSAP	BMC_ProtocolEndpoint	BMC_ApplicationSystem

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BMC_ApplicationSystemServiceClientPort	BMC_Dependency	APPLICATIONSYSTEMSERVICECLIENTPORT	BMC_ProtocolEndpoint	BMC_ApplicationSystem
BMC_ApplicationSystemServicePort	BMC_Dependency	APPLICATIONSYSTEMSERVICEPORT	BMC_ProtocolEndpoint	BMC_ApplicationSystem
BMC_ApplicationSystemServices	BMC_ApplicationSystemServices	APPLICATIONSYSTEMSERVICES	BMC_ApplicationSystem	BMC_SystemService
BMC_BindsTo	BMC_Dependency	BINDSTO	BMC_ProtocolEndpoint	BMC_AccessPoint
BMC_ClusteredSystem	BMC_Component	CLUSTEREDSYSTEM	BMC_Cluster	BMC_System
BMC_Component	BMC_Component	COMPONENT	BMC_BaseElement	BMC_BaseElement
BMC_ContainedDomain	BMC_Component	CONTAINEDDOMAIN	BMC_AdminDomain	BMC_AdminDomain
BMC_CSInIPSubnet	BMC_InIPSubnet	CSINIPSUBNET	BMC_IPConnectivitySubnet	BMC_ComputerSystem
BMC_CSInSegment	BMC_InSegment	CSINSEGMENT	BMC_ConnectivitySegment	BMC_ComputerSystem
BMC_DataBaseDataStorage	BMC_Component	DATABASEDATASTORAGE	BMC_DataBase	BMC_DataBaseStorage
BMC_DataBaseReplicatedBy	BMC_Dependency	DATABASEREPLICATEDBY	BMC_DataBaseReplicationServer*	BMC_DataBaseReplication
BMC_DataBaseReplicationMaster	BMC_Dependency	DATABASEREPLICATIONMASTER	BMC_DataBase	BMC_DataBaseReplication
BMC_DataBaseReplicationTarget	BMC_Dependency	DATABASEREPLICATIONTARGET	BMC_DataBaseReplication	BMC_DataBase
BMC_Dependency	BMC_Dependency	DEPENDENCY	BMC_BaseElement	BMC_BaseElement
BMC_DeployedApplication	BMC_Dependency	DEPLOYEDAPPLICATION	BMC_ApplicationSystem	BMC_Application
BMC_DiskDrivePartition	BMC_Dependency	DISKDRIVEPARTITION	BMC_DiskDrive	BMC_DiskPartition
BMC_ElementLocation	BMC_ElementLocation	ELEMENTLOCATION	BMC_BaseElement	BMC_PhysicalLocation
BMC_FileSystemPartition	BMC_Dependency	FILESYSTEMPARTITION	BMC_DiskPartition	BMC_LocalFileSystem
BMC_HostedAccessPoint	BMC_HostedAccessPoint	HOSTEDACCESSPOINT	BMC_System	BMC_AccessPoint
BMC_HostedService	BMC_HostedService	HOSTEDSERVICE	BMC_System	BMC_SystemService
BMC_HostedSystemComponents	BMC_HostedSystemComponents	HOSTEDSYSTEMCOMPONENTS	BMC_System	BMC_SystemComponent
BMC_HostedVirtualSystem	BMC_Dependency	HOSTEDVIRTUALSYSTEM	BMC_ComputerSystem	BMC_VirtualSystem
BMC_Impact*	BMC_Impact*	IMPACT	<b>Question/Issue: Don't know this class name</b>	<b>Question/Issue: Don't know this class name</b>
BMC_InIPSubnet	BMC_InIPSubnet	INIPSUBNET	BMC_IPConnectivitySubnet	BMC_IPEndpoint

1.1 relationship class	2.0 relationship class	Name attribute value	Parent CI class	Child CI class
BMC_InSegment	BMC_InSegment	INSEGMENT	BMC_IPConnectivitySubnet	BMC_LANEndpoint
BMC_InstalledPatch	BMC_Component	PRODUCTPATCH	BMC_Software	BMC_Patch
BMC_InstalledProduct	BMC_HostedSystemComponents	INSTALLEDSOFTWARE	BMC_ComputerSystem	BMC_Product, BMC_Patch, BMC_Package
BMC_InventoryBulkItems	BMC_Dependency	INVENTORYBULKITEMS	BMC_InventoryStorage*	BMC_BulkInventory
BMC_InventoryComputerSystems	BMC_Dependency	INVENTORYCOMPUTERSYSTEMS	BMC_InventoryStorage*	BMC_ComputerSystem
BMC_InventorySystemComponents	BMC_Dependency	INVENTORYSYSTEMCOMPONENTS	BMC_InventoryStorage*	BMC_SystemComponent
BMC_IPSubnetsInGroup	BMC_IPSubnetsInCollection	IPSUBNETSINCOLLECTION	BMC_LNsCollection	BMC_IPConnectivitySubnet
BMC_J2EEApplicationModule	BMC_ApplicationSystemServices	J2EEAPPLICATIONMODULE	BMC_J2EEApplication*	BMC_J2EEModule*
BMC_J2EEClusterOfDomain	BMC_MemberOfCollection	J2EECLUSTEROFDOMAIN	BMC_J2EEAdminDomain*	BMC_J2EECluster*
BMC_J2EEDeployedApplication	BMC_Dependency	J2EEDEPLOYEDAPPLICATION	BMC_J2EEApplicationServer*	BMC_J2EEApplication*
BMC_J2EEModuleUsesJ2EEModule	BMC_Dependency	J2EEMODULEUSESJ2EEMODULE	BMC_J2EEModule*	BMC_J2EEModule*
BMC_J2EEServletsInModule	BMC_Component	J2EESERVLETsinMODULE	BMC_J2EEWebModule*	BMC_J2EEServlet*
BMC_J2EESystemOfDomain	BMC_MemberOfCollection	J2EESYSTEMOFDOMAIN	BMC_J2EEAdminDomain*	BMC_J2EEApplicationServer*
BMC_LNsInGroup	BMC_LNsInCollection	LNSINCOLLECTION	BMC_LNsCollection	BMC_ConnectivityCollection
BMC_LoadBalancedSystem	BMC_Component	LOADBALANCEDSYSTEM	BMC_ApplicationInfrastructure	BMC_ApplicationSystem
BMC_LoadBalancingSystem	BMC_Component	LOADBALANCINGSYSTEM	BMC_ApplicationInfrastructure	BMC_LoadBalancerServer*
BMC_ManagedDataBase	BMC_Component	MANAGEDDATABASE	BMC_DataBaseServer*	BMC_DataBase
BMC_MemberOf	BMC_MemberOfCollection	MEMBEROFCOLLECTION	BMC_BaseElement	BMC_BaseElement
BMC_MemberOfGroup	BMC_MemberOfCollection	MEMBEROFCOLLECTION	BMC_GenericGroup	BMC_BaseElement
BMC_ModuleResourceDependency	BMC_Dependency	MODULERESOURCEDEPENDENCY	BMC_J2EEResource*	BMC_J2EEModule*
BMC_PartOfDomain	BMC_MemberOfCollection	PARTOFDOMAIN	BMC_AdminDomain	BMC_System
BMC_ProductInPackage	BMC_Component	PRODUCTINPACKAGE	BMC_Package	BMC_Product

## Relationship Normalization Table

1.1 relationship class	2.0 relationship class	Name attribute value	Parent CI class	Child CI class
BMC_ResourceDataBase	BMC_Dependency	RESOURCEDATABASE	BMC_DataBase	BMC_J2EEJDBCResource*
BMC_ResourceProvidesAccessToElement	BMC_Dependency	RESOURCEPROVIDESACCESSTOELEMENT	BMC_BaseElement	BMC_SystemResource
BMC_SAPApplicationAppSrv	BMC_Dependency	SAPAPPLICATIONAPPSRV	BMC_SAPApplicationServer*	BMC_SAPApplication*
BMC_SAPApplicationModules	BMC_Component	SAPAPPLICATIONMODULE	BMC_SAPApplication*	BMC_SAPModule*
BMC_SAPAppSrvServices	BMC_Component	SAPAPPSRVSERVICES	BMC_SAPApplicationServer*	BMC_SAPService*
BMC_SAPDBResourceApplicationSystem	BMC_Dependency	SAPDBRESOURCEAPPLICATIONSYSTEM	BMC_ApplicationSystem	BMC_SAPDBResource*
BMC_SAPDBSystemDBSystem	BMC_Dependency	SAPDBSYSTEMDBSYSTEM	BMC_DataBaseSystem*	BMC_SAPDatabaseSystem*
BMC_SAPDeployedApplication	BMC_Dependency	SAPDEPLOYEDAPPLICATION	BMC_SAPSystem*	BMC_SAPApplication*
BMC_SAPModuleAppSrv	BMC_Dependency	SAPMODULEAPPSRV	BMC_SAPApplicationServer*	BMC_SAPModule*
BMC_SAPPrinterResourcePrinter	BMC_Dependency	SAPPRINTERRESOURCEPRINTER	BMC_ComputerSystem	BMC_SAPPrinterResource*
BMC_SAPSoftwareComponentApplication	BMC_Component	SAPSOFTWARECOMPONENTAPPLICATION	BMC_SAPSoftwareComponent*	BMC_SAPApplication*
BMC_SAPSystemApplication	BMC_Component	SAPSYSTEMAPPLICATION	BMC_SAPSystem*	BMC_SAPApplication*
BMC_SAPSystemAppSrv	BMC_Component	SAPSYSTEMAPPSRV	BMC_SAPSystem*	BMC_SAPApplicationServer*
BMC_SAPSystemDBSystem	BMC_Component	SAPSYSTEMDBSYSTEM	BMC_SAPSystem*	BMC_SAPDatabaseSystem*
BMC_SAPSystemSoftwareComponent	BMC_Component	SAPSYSTEMSOFTWARECOMPONENT	BMC_SAPSystem*	BMC_SAPSoftwareComponent*
BMC_SegmentsInGroup	BMC_SegmentsInCollection	SEGMENTSINCOLLECTION	BMC_LNsCollection	BMC_ConnectivitySegment
BMC_ServiceAccessByAP	BMC_Dependency	SERVICEACCESSPOINT	BMC_SystemService	BMC_AccessPoint
BMC_ServiceSLA*	BMC_ServiceSLA*	SERVICESLA	<b>Question/Issue: Don't know this class name</b>	<b>Question/Issue: Don't know this class name</b>
BMC_SubHWComponent	BMC_Component	SUBHWCOMPONENT	BMC_HardwareSystemComponent	BMC_HardwarePackage
BMC_SystemBIOS	BMC_HostedSystemComponents	SYSTEMBIOS	BMC_ComputerSystem	BMC_BIOS_Element
BMC_SystemHardware	BMC_HostedSystemComponents	SYSTEMHARDWARE	BMC_ComputerSystem	BMC_HardwareSystemComponent
BMC_SystemOS	BMC_HostedSystemComponents	SYSTEMOS	BMC_ComputerSystem	BMC_OperatingSystem
BMC_SystemPartition	BMC_Component	SYSTEMPARTITION	BMC_Mainframe	BMC_ComputerSystem

1.1 relationship class	2.0 relationship class	Name attribute value	Parent CI class	Child CI class
BMC_SystemResources	BMC_HostedSystemComponents	SYSTEMRESOURCES	BMC_System	BMC_SystemResource
BMC_SystemServiceServiceDependency	BMC_Dependency	SYSTEMSERVICESERVICEDEPENDENCY	BMC_SystemService	BMC_SystemService
BMC_UseHardware	BMC_Dependency	USEHARDWARE	BMC_HardwareSystemComponent	BMC_LogicalSystemComponent
BMC_UseResource	BMC_Dependency	USERESOURCE	BMC_SystemResource	BMC_BaseElement
BMC_VirtualSystemOS	BMC_Dependency	VIRTUALSYSTEMOS	BMC_VirtualSystemEnabler	BMC_VirtualSystem

\* This class is part of a product-specific extension to the Common Data Model in version 2.0, not part of the CDM itself.