



The AdventureWorks Company

A Bicycle and Accessories manufacturer

An unofficial relationship diagram of Adventure Works Cycle
the 2019 OLTP Sample Microsoft Database

Schema

dbo

Sales

Human Resources

Production

Purchasing

Person

DatabaseLog			
PK	DatabaseLogID	int	
	PostTime	datetime	
	DatabaseUser	nvarchar(128)	
	Event	nvarchar(128)	
	Schema	nvarchar(128)	
	Object	nvarchar(128)	
	TSQL	nvarchar	
	XmlEvent	xml	

ErrorLog			
PK	ErrorLogID	int	
	ErrorTime	datetime	
	UserName	nvarchar(128)	
	ErrorNumber	int	
	ErrorSeverity	int	
	ErrorState	int	
	ErrorProcedure	nvarchar(126)	
	ErrorLine	int	
	ErrorMessage	nvarchar(4000)	

sysdiagrams			
AK	name	nvarchar(128)	
AK	principal_id	int	
AK	diagram_id	int	
PK	version	int	
	definition	varbinary	

AWBuildVersion			
PK	SystemInformationID	tinyint	
	Database Version	nvarchar(25)	
	VersionDate	datetime	
	ModifiedDate	datetime	

HumanResources.EmployeeDepartmentHistory			
PK,FK	BusinessEntityID	int	
PK,FK	DepartmentID	smallint	
PK,FK	ShiftID	tinyint	
PK	StartDate	date	
	EndDate	date	
	ModifiedDate	datetime	

HumanResources.Shift			
PK	ShiftID	tinyint	
	Name	nvarchar(50)	
	StartTime	time	
	EndTime	time	
	ModifiedDate	datetime	

HumanResources.Department			
PK	DepartmentID	smallint	
	Name	nvarchar(50)	
	GroupName	nvarchar(50)	
	ModifiedDate	datetime	

HumanResources.JobCandidate			
PK	JobCandidateID	int	
FK	BusinessEntityID	int	
	Resume	xml	
	ModifiedDate	datetime	

HumanResources.EmployeePayHistory			
PK,FK	BusinessEntityID	int	
PK	RateChangeDate	date	
	Rate	money	
	PayFrequency	tinyint	
	ModifiedDate	datetime	

Purchasing.Vendor			
PK,FK	BusinessEntityID	int	
	AccountNumber	nvarchar(15)	
	Name	nvarchar(50)	
	CreditRating	tinyint	
	PreferredVendorStatus	bit	
	ActiveFlag	bit	
	PurchasingWebServiceURL	nvarchar(1024)	
	ModifiedDate	datetime	

Purchasing.ProductVendor			
PK,FK	ProductID	int	
PK,FK	BusinessEntityID	int	
	AverageLeadTime	money	
	StandardPrice	money	
	LastReceiptCost	money	
	LastReceiptDate	datetime	
	MinOrderQty	int	
	MaxOrderQty	int	
	OnOrderQty	int	
FK	UnitMeasureCode	nchar(3)	
	ModifiedDate	datetime	

Purchasing.PurchaseOrderDetail			
PK,FK	PurchaseOrderID	int	
PK	PurchaseOrderDetailID	int	
	DueDate	datetime	
	OrderQty	smallint	
FK	ProductID	int	
	UnitPrice	money	
	LineTotal	money	
	ReceivedQty	decimal	
	RejectedQty	decimal	
	StockedQty	decimal	
	ModifiedDate	datetime	

Purchasing.PurchaseOrderHeader			
PK	PurchaseOrderID	int	
	RevisionNumber	tinyint	
	Status	tinyint	
FK	EmployeeID	int	
FK	VendorID	int	
FK	ShipMethodID	int	
	OrderDate	datetime	
	ShipDate	datetime	
	SubTotal	money	
	TaxAmt	money	
	Freight	money	
	TotalDue	money	
	ModifiedDate	datetime	

Purchasing.ShipMethod			
PK	ShipMethodID	int	
	Name	nvarchar(50)	
	ShipBase	money	
	ShipRate	money	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

HumanResources.Employee			
PK,FK	BusinessEntityID	int	
	NationalIDNumber	int	
	LoginID	nvarchar(256)	
	OrganizationNode	hierarchyid(892)	
	OrganizationLevel	smallint	
	JobTitle	nvarchar(50)	
	BirthDate	date	
	MaritalStatus	nchar(1)	
	Gender	nchar(1)	
	HireDate	date	
	SalaryFlag	bit	
	VacationHours	smallint	
	SickLeaveHours	smallint	
	CurrentFlag	bit	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Person.BusinessEntityContact			
PK,FK	BusinessEntityID	int	
PK,FK	PersonID	int	
PK,FK	ContactTypeID	int	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Person.ContactType			
PK	ContactTypeID	int	
	Name	nvarchar(50)	
	ModifiedDate	datetime	

Person.AddressType			
PK	AddressTypeID	int	
	Name	nvarchar(50)	
	ModifiedDate	datetime	

Production.UnitMeasure			
PK	UnitMeasureCode	nchar(3)	
	Name	nvarchar(50)	
	ModifiedDate	datetime	

Production.BillOfMaterials			
PK	BillOfMaterialsID	int	
FK	ProductAssemblyID	int	
FK	ComponentID	int	
	StartDate	datetime	
	EndDate	datetime	
FK	UnitMeasureCode	nchar(3)	
	BOMLevel	smallint	
	PerAssemblyQty	decimal	
	ModifiedDate	datetime	

Production.TransactionHistory			
PK	TransactionID	int	
FK	ProductID	int	
	ReferenceOrderID	int	
	ReferenceOrderLineID	int	
	TransactionDate	datetime	
	TransactionType	nchar(1)	
	Quantity	int	
	ActualCost	money	
	ModifiedDate	datetime	

Sales.SalesPersonQuotaHistory			
PK,FK	BusinessEntityID	int	
PK	QuotaDate	datetime	
	SalesQuota	money	
	ModifiedDate	datetime	

Sales.SalesTerritoryHistory			
PK,FK	BusinessEntityID	int	
PK,FK	TerritoryID	int	
PK	StartDate	datetime	
	EndDate	datetime	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.Store			
PK,FK	BusinessEntityID	int	
	Name	nvarchar(50)	
FK	SalesPersonID	int	
	Demographics	xml	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.Customer			
PK	CustomerID	int	
FK	PersonID	int	
FK	StoreID	int	
FK	TerritoryID	int	
	AccountNumber	varchar(10)	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.PersonCreditCard			
PK,FK	BusinessEntityID	int	
PK,FK	CreditCardID	int	
	int	int	
	ModifiedDate	datetime	

Sales.CreditCard			
PK	CreditCardID	int	
	CardType	nvarchar(50)	
	CardNumber	nvarchar(25)	
	ExpMonth	tinyint	
	ExpYear	smallint	
	ModifiedDate	datetime	

Sales.SalesTaxRate			
PK	SalesTaxRateID	int	
FK	StateProvinceID	int	
	TaxType	tinyint	
	TaxRate	smallmoney	
	Name	nvarchar(50)	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.ShoppingCartItem			
PK	ShoppingCartItemID	int	
	ShoppingCartID	int	
FK	ProductID	int	
	Quantity	int	
	DateCreated	datetime	
	ModifiedDate	datetime	

Sales.SpecialOfferProduct			
PK,FK	SpecialOfferID	int	
PK,FK	ProductID	int	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.SpecialOffer			
PK	SpecialOfferID	int	
	Description	nvarchar(255)	
	DiscountPct	smallmoney	
	Type	nvarchar(50)	
	Category	nvarchar(50)	
	StartDate	datetime	
	EndDate	datetime	
	MinQty	int	
	MaxQty	int	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.CurrencyRate			
PK	CurrencyRateID	int	
	CurrencyRateDate	datetime	
FK	FromCurrencyCode	nchar(3)	
FK	ToCurrencyCode	nchar(3)	
	AverageRate	money	
	EndOfDayRate	money	
	ModifiedDate	datetime	

Sales.Currency			
PK	CurrencyCode	nchar(3)	
	Name	nvarchar(50)	
	ModifiedDate	datetime	

Sales.SalesReason			
PK	SalesReasonID	int	
	Name	nvarchar(50)	
	ReasonType	nvarchar(50)	
	ModifiedDate	datetime	

Sales.SalesOrderHeaderSalesReason			
PK,FK	SalesOrderID	int	
PK,FK	SalesReasonID	int	
	ModifiedDate	datetime	

Sales.SalesOrderHeader			
PK	SalesOrderID	int	
	RevisionNumber	tinyint	
	OrderDate	datetime	
	DueDate	datetime	
	ShipDate	datetime	
	Status	tinyint	
	OnlineOrderFlag	bit	
	SalesOrderNumber	nvarchar(25)	
	PurchaseOrderNumber	nvarchar(15)	
	AccountNumber	int	
FK	SalesPersonID	int	
FK	TerritoryID	int	
FK	BillToAddressID	int	
FK	ShipToAddressID	int	
FK	ShipMethodID	int	
FK	CreditCardID	int	
FK	CreditCardApprovalCode	varchar(15)	
	SubTotal	money	
	TaxAmt	money	
	Freight	money	
	TotalDue	money	
	Comment	nvarchar(128)	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.SalesOrderDetail			
PK,FK	SalesOrderID	int	
PK	SalesOrderDetailID	int	
FK	CarrierTrackingNumber	nvarchar(25)	
FK	ProductID	int	
FK	SpecialOfferID	int	
	OrderQty	smallint	
	UnitPrice	int	
	UnitPriceDiscount	int	
	LineTotal	money	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.SalesTerritory			
PK	TerritoryID	int	
FK	Name	nvarchar(50)	
FK	CountryRegionCode	nvarchar(3)	
	Group	nvarchar(50)	
	SalesYTD	money	
	SalesLastYear	money	
	CostYTD	money	
	CostLastYear	money	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.SalesPerson			
PK,FK	BusinessEntityID	int	
FK	TerritoryID	int	
	SalesQuota	money	
	Bonus	smallmoney	
	CommissionPct	money	
	SalesYTD	money	
	SalesLastYear	money	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.SalesPersonQuotaHistory			
PK,FK	BusinessEntityID	int	
PK	QuotaDate	datetime	
	SalesQuota	money	
	ModifiedDate	datetime	

Sales.SalesTerritoryHistory			
PK,FK	BusinessEntityID	int	
PK,FK	TerritoryID	int	
PK	StartDate	datetime	
	EndDate	datetime	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.Store			
PK,FK	BusinessEntityID	int	
	Name	nvarchar(50)	
FK	SalesPersonID	int	
	Demographics	xml	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.Customer			
PK	CustomerID	int	
FK	PersonID	int	
FK	StoreID	int	
FK	TerritoryID	int	
	AccountNumber	varchar(10)	
	rowguid	uniqueidentifier	
	ModifiedDate	datetime	

Sales.PersonCreditCard			
PK,FK	BusinessEntityID	int	
PK,FK	CreditCardID	int	
	int	int	
	ModifiedDate	datetime	

Sales.CreditCard			
PK	CreditCardID	int	
	CardType	nvarchar(50)	
	CardNumber	nvarchar(25)	
	ExpMonth	tinyint	
	ExpYear	smallint	
	ModifiedDate	datetime	

Sales.SalesTaxRate			
PK	SalesTaxRateID	int	
FK	StateProvinceID	int	
	TaxType	tinyint	
	TaxRate	decimal(19,4)	