T-SQL to create the graph in Azure SQL Database

-- enable SQL Graph feature

ALTER DATABASE [YourDatabaseName] SET ENABLE\_BROKER WITH ROLLBACK IMMEDIATE;

ALTER DATABASE [YourDatabaseName] SET NEW\_BROKER WITH ROLLBACK IMMEDIATE;

ALTER DATABASE [YourDatabaseName] SET TRUSTWORTHY ON;

-- create the Date node

CREATE TABLE [dbo].[DateNode] (

[date\_id] INT NOT NULL PRIMARY KEY,

-- add any other properties for the Date node

) AS NODE;

-- create the Stock node

CREATE TABLE [dbo].[StockNode] (

[symbol] NVARCHAR(10) NOT NULL PRIMARY KEY,

-- add any other properties for the Stock node

) AS NODE;

-- create the Price edge

CREATE TABLE [dbo].[PriceEdge] (

[open\_price] FLOAT NOT NULL,

[high\_price] FLOAT NOT NULL,

[low\_price] FLOAT NOT NULL,

[close\_price] FLOAT NOT NULL,

[volume] BIGINT NOT NULL,

) AS EDGE;

-- create the relationship between the Date and Stock nodes via the Price edge

CREATE EDGE [dbo].[PriceEdge] FROM [dbo].[DateNode] TO [dbo].[StockNode];

You can then insert data into the nodes and edges using standard T-SQL statements. For example, to insert a new Date node and Stock node, and connect them with a Price edge, you might use the following syntax:

-- insert a new Date node

INSERT INTO [dbo].[DateNode] ([date\_id])

VALUES (1);

-- insert a new Stock node

INSERT INTO [dbo].[StockNode] ([symbol])

VALUES ('AAPL');

-- create a Price edge between the Date and Stock nodes

MATCH (d:DateNode), (s:StockNode)

WHERE d.date\_id = 1 AND s.symbol = 'AAPL'

CREATE (d)-[p:PriceEdge {open\_price: 123.45, high\_price: 127.38, low\_price: 121.67, close\_price: 124.57, volume: 1000000}]->(s);