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| --- | --- |
| Service | Details |
| SF Cluster | Admin: azureuser  PW: Azure@Cat123    <https://azure.microsoft.com/en-us/documentation/articles/service-fabric-cluster-capacity/>  “Does your application have multiple services, and do any of those need to be public or internet facing? Typical applications contain a front-end gateway service that receive input from a client, and one or more back-end services that communicate with the front-end services. So in this case, you end up having at least two node types.”   * Stateless Service to host ASP.NET public internet facing * Stateful to host some of the user portfolio etc. |
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| Azure SQL DB | servername: cathack03.database.windows.net  username: cathack03  password: CAT@Hack#3  region: West US  database: portfoliodb  <Active Geo replication not enabled yet. Work in progress>. |
| Key Vault | Vault Name : cathackteam3vault  Key name: cathacksfkey  [https:// cathackteam3vault.vault.azure.net/keys/ cathacksfkey](https://ContosoKeyVault.vault.azure.net/keys/ContosoFirstKey) |
|  |  |

Queries

use Portfoliodb

go

drop table Users

drop table AssetTypes

drop table UserAssetValues

drop table UserAssetValuesHistory

create table Users(UserID int identity primary key, LoginName varchar(256), UserName varchar(1024), Password varchar(1024))

create table AssetTypes(AssetTypeID int identity primary key, AssetTypeName varchar(1024))

create table UserAssetValues(UserAssetValuesID int identity, UserID int, AssetTypeID int, AssetValue float)

create table UserAssetValuesHistory(UserAssetValuesHistoryID int identity, UserID int, AssetTypeID int, AssetValue float, AsOnDate datetime)

insert AssetTypes values('Stock')

insert AssetTypes values('Real Estate')

insert AssetTypes values('Mutual Funds')

insert AssetTypes values('Cash')

insert Users values('raramani', 'Rama Ramani', 'notset')

insert Users values('peterpe', 'Peter Petesh', 'notset')

insert Users values('sanjaymi', 'Sanjay Mishra', 'notset')

insert Users values('ninadk', 'Ninad Kanthi', 'notset')

insert Users values('sedusch', 'Sebastian Max Dusch', 'notset')

insert Users values('rangas', 'Rangarajan Srirangam', 'notset')

insert Users values('jtong', 'Jonathan Tong', 'notset')

insert into UserAssetValues values (1,1,1200)

insert into UserAssetValues values (1,2,1350)

insert into UserAssetValues values (1,3,1400)

insert into UserAssetValues values (1,4,500)

insert into UserAssetValues values (2,1,9000)

insert into UserAssetValues values (2,2,500)

insert into UserAssetValues values (2,3,340)

insert into UserAssetValues values (2,4,200)

insert into UserAssetValues values (3,1,560)

insert into UserAssetValues values (3,2,700)

insert into UserAssetValues values (3,3,6000)

insert into UserAssetValues values (3,4,600)

insert into UserAssetValues values (4,1,0)

insert into UserAssetValues values (4,2,50)

insert into UserAssetValues values (4,3,10000)

insert into UserAssetValues values (4,4,200)

insert into UserAssetValues values (5,1,100)

insert into UserAssetValues values (5,2,19000)

insert into UserAssetValues values (5,3,30)

insert into UserAssetValues values (5,4,55000)

insert into UserAssetValues values (6,1,6000)

insert into UserAssetValues values (6,2,3000)

insert into UserAssetValues values (6,3,155)

insert into UserAssetValues values (6,4,234.99)

insert into UserAssetValues values (7,1,560.21)

insert into UserAssetValues values (7,2,900.33)

insert into UserAssetValues values (7,3,321.55)

insert into UserAssetValues values (7,4,1001.9)

insert into UserAssetValuesHistory (UserID, AssetTypeID, AssetValue, AsOnDate)

select UserID, AssetTypeID, AssetValue, getdate() from UserAssetValues

insert into UserAssetValuesHistory (UserID, AssetTypeID, AssetValue, AsOnDate)

select UserID, AssetTypeID, AssetValue - 100.0, '26-July-2016' from UserAssetValues

insert into UserAssetValuesHistory (UserID, AssetTypeID, AssetValue, AsOnDate)

select UserID, AssetTypeID, AssetValue - 150.0, '25-July-2016' from UserAssetValues

-- User IDs, Names and Login IDs

select UserID, UserName, LoginName from Users order by UserID

-- Asset Types

select AssetTypeID, AssetTypeName from AssetTypes

-- All Users, Assets and their current values

select U.UserID, U.UserName, A.AssetTypeID, A.AssetTypeName, UAV.AssetValue from UserAssetValues UAV

inner join Users U on UAV.UserID = U.UserID

inner join AssetTypes A on UAV.AssetTypeID = A.AssetTypeID

order by U.UserID, A.AssetTypeID

-- Current Total Asset Per user

select U.LoginName, UAV.AssetTypeID, sum(AssetValue) TotalPortfolioValue from UserAssetValues UAV

inner join Users U on UAV.UserID = U.UserID

inner join AssetTypes A on UAV.AssetTypeID = A.AssetTypeID

where U.LoginName = 'raramani'

group by U.LoginName, UAV.AssetTypeID

-- History of values of all Assets of a user

select \* from UserAssetValuesHistory UAVH

inner join Users U on UAVH.UserID = U.UserID

inner join AssetTypes A on UAVH.AssetTypeID = A.AssetTypeID

where U.LoginName = 'raramani'

order by U.UserID, A.AssetTypeID, UAVH.AsOnDate