**Vizsgaremek** – *WorkRouter*

Hallgató neve: **Horváth Attila**

A választott téma rövid elnevezése: *Munkalapkezelő rendszer, készletkezeléssel.*

A rendszer célja, egy nemzetközi informatikai szolgáltatásokat nyújtó cég vállalatirányítási rendszerének az adatbázis szintű megvalósítása, a munkafolyamatok nyomon követhetőségével.

**Főbb funkciók: telephely, dolgozó, alvállalkozó, ügyfél, munkalap kezelés, készletnyilvántartás, munkafolyamatok nyomkövetése, hozzárendelése dolgozókhoz.**   
  
*+ Opció: Adatok átadása külső rendszernek számla elkészítéséhez.*

* Több szerviz, több országban, több városban (Telephely kezelés)
* Dolgozó kezelés (Adatok, hozzáférési szintekkel, pl. belső, vagy külsős dolgozó)
* Ügyfél kezelés, extra elemekkel (Pl. Vevőkártya, kedvezmény, hírlevélre feliratkozás, stb)
* Alvállalkozók kezelése (Szegmentálva, a jogosultságokkal)

**Munkalapok:**

* Különböző jellegű munkalapok (Pl. szervízben elvégezhető / személyes helyszíni javítások, internet bekötések)
* Átvételi elismervények kezelése. (Hol, mikor, mit, miért és ki vett át)
* Folyamat kezelés (Ki végezte, mit végzett, milyen alkatrészeket használt fel, és mennyibe került, számlázva van-e, fizetve van-e, stb)
* Adatok átadása online kliensprogram számára.
* Javításra átvett eszközök állapotának nyomkövetése, ügyfél által is.
* Munkák hozzárendelés dolgozókhoz.
* Különböző státuszok kezelése (Pl. alkatrészre vár)
* Szolgáltatás kategóriák, árak kezelése
* Alkatrész/készlet kezelés (Kategóriák kezelése)
* Az elvégzett munka / szolgáltatás árának feltüntetése
* Különböző szolgáltatási kategóriák. (Pl. Számítógép javítás, GPON bekötés)
* Munkalap kitöltés, dolgozók/ alvállalkozók által (A megfelelő jogosultsági szint alapján)
* A munkalapok lehetnek személyesen átvett, de helyszíni munkát is tartalmazó munkák.

**Készlet kezelés:**

* Bevételezés, garancia kezelés
* Munkalapon felhasznált alkatrészek alapján a készlet aktualizálása
* Nagyker partnerek nyilvántartása
* Sorozatszámok nyilvántartása egy lehetséges RMA miatt

**Statisztika**

Különböző üzleti logika alapján statisztikai adatok lekérdezése.

# WorkRouter - Adatbázis Diagram [*https://dbdiagram.io/d/63f22373296d97641d82122c*](https://dbdiagram.io/d/63f22373296d97641d82122c)

# WorkRouter - Adatbázis Diagram *<https://dbdiagram.io/d/63f22373296d97641d82122c>*

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|  |
| --- |
| BRYAN  Az SQL Instance fontosabb beállításai. |

Databases (1)

*  [Work­Router](#CzXAjYZnb1RyeDs/apalk4rNEyk=)

Server Properties

|  |  |
| --- | --- |
| Property | Value |
| Product | Microsoft SQL Server |
| Version | 16.0.1000.6 |
| Language | angol (Egyesült Államok) |
| Platform | NT x64 |
| Edition | Developer Edition (64-bit) |
| Engine Edition | 3 (Enterprise) |
| Processors | 16 |
| OS Version | 6.3 (22621) |
| Physical Memory | 65349 |
| Is Clustered | False |
| Root Directory | C:\Program Files\Microsoft SQL Server\MSSQL16.BRYAN\MSSQL |
| Collation | Hungarian\_­CI\_­AS |

Server Settings

|  |  |
| --- | --- |
| Property | Value |
| Default data file path | C:\SQLDATA\DB\ |
| Default backup file path | C:\SQLDATA\Backup |
| Default log file path | C:\SQLDATA\DB\ |
| Recovery Interval (minutes) | 0 |
| Default index fill factor | 0 |
| Default backup media retention | 0 |
| Compress Backup | False |

Advanced Server Settings

|  |  |
| --- | --- |
| Property | Value |
| Full text upgrade option | 0 |
| Locks | 0 |
| Nested triggers enabled | True |
| Allow triggers to fire others | True |
| Default language | English |
| Network packet size | 4096 |
| Default fulltext language LCID | 1033 |
| Two-digit year cutoff | 2049 |
| Remote login timeout | 10 |
| Cursor threshold | -1 |
| Max text replication size | 65536 |
| Parallelism cost threshold | 5 |
| Max degree of parallelism | 8 |
| Min server memory | 16 |
| Max server memory | 2147483647 |
| Scan for startup procs | False |
| Transform noise words | False |
| CLR enabled | True |
| Blocked process threshold | 0 |
| Filestream access level | False |
| Optimize for ad hoc workloads | False |
| CLR strict security | False |

|  |
| --- |
| User databases |

Databases (1)

*  [Work­Router](#CzXAjYZnb1RyeDs/apalk4rNEyk=)

|  |
| --- |
| Work­Router Database Az adatbázis alapvető beállításai. |

Database Properties

|  |  |
| --- | --- |
| Property | Value |
| SQL Server Version | Max |
| Compatibility Level | Max |
| Last backup time | 05/06/2023 |
| Last log backup time | - |
| Creation date | May 6 2023 |
| Users | 7 |
| Database Encryption Enabled | False |
| Database Encryption Algorithm | None |
| Database size | 336.00 MB |
| Unallocated space | 9.83 MB |

Database Options

|  |  |
| --- | --- |
| Property | Value |
| Compatibility Level | 160 |
| Database collation | Hungarian\_­CI\_­AS |
| Restrict access | MULTI\_­USER |
| Is read-only | False |
| Auto close | False |
| Auto shrink | False |
| Database status | ONLINE |
| In standby | False |
| Cleanly shutdown | False |
| Supplemental logging enabled | False |
| Snapshot isolation state | OFF |
| Read committed snapshot on | False |
| Recovery model | FULL |
| Page verify option | CHECKSUM |
| Auto create statistics | True |
| Auto update statistics | True |
| Auto update statistics asynchronously | False |
| ANSI NULL default | False |
| ANSI NULL enabled | False |
| ANSI padding enabled | False |
| ANSI warnings enabled | False |
| Arithmetic abort enabled | False |
| Concatenating NULL yields NULL | False |
| Numeric roundabort enabled | False |
| Quoted Identifier On | False |
| Recursive triggers enabled | False |
| Close cursors on commit | False |
| Local cursors by default | False |
| Fulltext enabled | True |
| Trustworthy | False |
| Database chaining | False |
| Forced parameterization | False |
| Master key encrypted by server | False |
| Published | False |
| Subscribed | False |
| Merge published | False |
| Is distribution database | False |
| Sync with backup | False |
| Service broker GUID | f59d410a-bfb5-4f25-99e2-073b22d163a5 |
| Service broker enabled | False |
| Log reuse wait | NOTHING |
| Date correlation | False |
| CDC enabled | False |
| Encrypted | False |
| Honor broker priority | False |
| Default language | English |
| Default fulltext language LCID | 1033 |
| Nested triggers enabled | True |
| Transform noise words | False |
| Two-digit year cutoff | 2049 |
| Containment | NONE |
| Target recovery time | 60 |
| Database owner | Bryan-Work\atira |

Files

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | Size | Maxsize | Autogrowth | File Name |
| Work­Router | Data | 72,00 MB | unlimited | 64,00 MB | C:\SQLDATA\DB\Work­Router.mdf |
| Work­Router\_log | Log | 264,00 MB | 2048,00 GB | 64,00 MB | C:\SQLDATA\DB\Work­Router\_log.ldf |

|  |
| --- |
| Tables |

Objects

|  |
| --- |
| Name |
| [dbo.Address](#/li3/kCHXYcZNld48bWHj/ABexQ=) |
| [dbo.Ad­Import](#EP/XtfKD87OK237UWQMxHj2IudQ=) |
| [dbo.Asset­Component](#erStjxMccLm6WP7oBXikNv6kPvM=) |
| [dbo.Asset­Component­Category](#SI6C7V9ulyxiPpcDTvCm76CFeF0=) |
| [dbo.Asset­Component­Subcategory](#o+TdszhHo3KhVU+cIG/nWa20zSA=) |
| [dbo.Asset­Purchase](#58qSTaYmdTOVYG9DymWaO4TraGc=) |
| [dbo.Asset­Stock](#9+frQXSq7Eci7mpRHvgYHrcXsyk=) |
| [dbo.Bill](#KnUF5Xzx0ZRnkY1sPBsx8bMprbg=) |
| [dbo.Customer](#sqgUg8XN+0KEWblgvbAXzE14/dk=) |
| [dbo.Dict­Country](#gbhsh+NGN/wxijQc6/2nn4sb/Ic=) |
| [dbo.Dict­County](#xwwli2e/CiSuHqOWj0qJReuxcCs=) |
| [dbo.Dict­VAT](#egQAPwbN5UUu/p8DK84v8rryVr0=) |
| [dbo.Dict­Worksheet­Status](#/xisZopDz6pvBMVa8l9Xm6Hu3cQ=) |
| [dbo.Postal­Code](#HIxLf0IfiHYccH3pAleEH0WUDcg=) |
| [dbo.Service](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=) |
| [dbo.Site](#bHopcz2PUneYaZeJ3HQESMTu8CU=) |
| [dbo.Used­Component](#Fp5psZqKIOBQo1WqViXHQ2oIlCo=) |
| [dbo.Work](#8EixVOLYkSO5UXkM5z/+BhbfV3M=) |
| [dbo.Work­Category](#97NP0eifGQ5C3GGDIPMYnRACrp0=) |
| [dbo.Worker](#S6zwzENq3CD8ChCBF67bFgrMO2g=) |
| [dbo.Worker­Connection](#CLKL5lHWEW9y1JLG4KmKZgsVWeA=) |
| [dbo.Worker­Right](#yuWN/Wqo5iCWHUtIQx8GDX83XTY=) |
| [dbo.Worker­Right­Connection](#NjAzYSfzs7XawSiL/DhUVI2Zeec=) |
| [dbo.Worksheet](#PcevR2WyulypyoLVEGmG016P3k8=) |
| [dbo.Worksheet­Detail](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=) |
| [dbo.Work­Subcategory](#ilknHGekGFR953HR4FPC5TJlsYg=) |

|  |
| --- |
| [dbo].[Address]  A címek tárolására szolgál. Megkülönböztethető az állandó levelezés és a számlázási cím is. Az adatok ellenőrzése, validálása kliens oldalon történik minden esetben, az adatbázissal történő kapcsolatfelvétel előtt a terhelés minimalizálásnak érdekében. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 100201 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Address­Id | int | 4 | NOT NULL | 1 - 1 |  |
|  | Customer­ID | int | 4 | NULL allowed |  |  |
|  | is­Mailing­Address | bit | 1 | NULL allowed |  | ((0)) |
|  | is­Primary­Address | bit | 1 | NULL allowed |  | ((0)) |
|  | is­Billing­Address | bit | 1 | NULL allowed |  | ((0)) |
|  | Country­Code | char(2) | 2 | NULL allowed |  |  |
|  | Postal­Code | varchar(10) | 10 | NULL allowed |  |  |
|  | City­Name | varchar(50) | 50 | NULL allowed |  |  |
|  | Address­Line1 | varchar(100) | 100 | NULL allowed |  |  |
|  | Addressline2 | varchar(100) | 100 | NULL allowed |  |  |
|  | Address­From | date | 3 | NULL allowed |  |  |
|  | Address­To | date | 3 | NULL allowed |  |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Address\_\_091C2AFB2626386F | Address­Id | True |

Check Constraints

|  |  |
| --- | --- |
| Name | Constraint |
| CK\_­Address\_­To­Date | ([Address­To]>[Address­From]) |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Address\_\_­Custome\_\_25518C17 | Customer­ID->[[dbo].[Customer].[Customer­ID]](#sqgUg8XN+0KEWblgvbAXzE14/dk=) |
| FK\_\_­Address\_\_­Country\_\_18EBB532 | Country­Code->[[dbo].[Dict­Country].[Country­Code]](#gbhsh+NGN/wxijQc6/2nn4sb/Ic=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Address]  (  [Address­Id] [int] NOT NULL IDENTITY(1, 1),  [Customer­ID] [int] NULL,  [is­Mailing­Address] [bit] NULL CONSTRAINT [DF\_\_­Address\_\_is­Maili\_\_4D94879B] DEFAULT ((0)),  [is­Primary­Address] [bit] NULL CONSTRAINT [DF\_\_­Address\_\_is­Prima\_\_4E88ABD4] DEFAULT ((0)),  [is­Billing­Address] [bit] NULL CONSTRAINT [DF\_\_­Address\_\_is­Billi\_\_4F7CD00D] DEFAULT ((0)),  [Country­Code] [char] (2) COLLATE Hungarian\_­CI\_­AS NULL,  [Postal­Code] [varchar] (10) COLLATE Hungarian\_­CI\_­AS NULL,  [City­Name] [varchar] (50) COLLATE Hungarian\_­CI\_­AS NULL,  [Address­Line1] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NULL,  [Addressline2] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NULL,  [Address­From] [date] NULL,  [Address­To] [date] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Address] ADD CONSTRAINT [CK\_­Address\_­To­Date] CHECK (([Address­To]>[Address­From]))  GO  ALTER TABLE [dbo].[Address] ADD CONSTRAINT [PK\_\_­Address\_\_091C2AFB2626386F] PRIMARY KEY CLUSTERED ([Address­Id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Address] ADD CONSTRAINT [FK\_\_­Address\_\_­Custome\_\_25518C17] FOREIGN KEY ([Customer­ID]) REFERENCES [dbo].[Customer] ([Customer­ID])  GO  ALTER TABLE [dbo].[Address] ADD CONSTRAINT [FK\_\_­Address\_\_­Country\_\_18EBB532] FOREIGN KEY ([Country­Code]) REFERENCES [dbo].[Dict­Country] ([Country­Code])  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Dict­Country]](#gbhsh+NGN/wxijQc6/2nn4sb/Ic=)

Used By

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Site]](#bHopcz2PUneYaZeJ3HQESMTu8CU=)

[[dbo].[v­Stat­Customer­Buyer­Card]](#GHZ24O/VdioxXVnh4WpqUD+xv0I=)

[[dbo].[v­Stat­Customer­City]](#7Kmd33CgK5i8xtTuUyTgvu97LOs=)

[[dbo].[v­Stat­Customer­County]](#SJODI/bLnmwNjQew43Om3z2U2eY=)

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

[[dbo].[Create­Worksheet]](#cI1t1pfxdHrLVyeWeM7BxcrGOOk=)

[[dbo].[Get­Worksheet­Basic­Data]](#6To8nsrQn112brBtqaknscPPFpE=)

[[dbo].[LDAPImport]](#8zn9gqiQp5QxWrLHJO2z4BUbbWk=)

|  |
| --- |
| [dbo].[Ad­Import]  Ez a tábla, tudatosan „lóg” a levegőben, igazából naplózási célokat szolgál, és egy segédtábla az LDAP szinkronizáció megvalósításához. Az LDAPImport tárolt eljárás használatához szükséges.   Itt kerülnek eltárolásra az Active Directory-ból importált felhasználói adatok, amelyek értelemszerűen a Customer táblába is átkerülnek, viszont itt tárolásra kerül a CustomerID is. Azaz pontosan visszakereshető, hogy melyik felhasználó, lett az AD-ból importálva, és mikor. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 5 |
| Created | 15:43:24 2023. május 6., szombat |
| Last Modified | 15:43:24 2023. május 6., szombat |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | id | int | 4 | NOT NULL | 1 - 1 |
|  | s­AMAccount­Name | varchar(30) | 30 | NOT NULL |  |
|  | firstname | varchar(30) | 30 | NOT NULL |  |
|  | lastname | varchar(30) | 30 | NOT NULL |  |
|  | email | varchar(30) | 30 | NOT NULL |  |
|  | country | char(2) | 2 | NOT NULL |  |
|  | postalcode | varchar(10) | 10 | NOT NULL |  |
|  | cityname | varchar(50) | 50 | NOT NULL |  |
|  | Address­Line1 | varchar(100) | 100 | NOT NULL |  |
|  | Phone­Number | varchar(20) | 20 | NOT NULL |  |
|  | Import­Date | datetime | 8 | NOT NULL |  |
|  | Modified­Date | datetime | 8 | NULL allowed |  |
|  | Customer­ID | int | 4 | NOT NULL |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Ad­Import\_\_3213E83F66D434F6 | id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Ad­Import]  (  [id] [int] NOT NULL IDENTITY(1, 1),  [s­AMAccount­Name] [varchar] (30) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [firstname] [varchar] (30) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [lastname] [varchar] (30) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [email] [varchar] (30) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [country] [char] (2) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [postalcode] [varchar] (10) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [cityname] [varchar] (50) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Address­Line1] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Phone­Number] [varchar] (20) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Import­Date] [datetime] NOT NULL,  [Modified­Date] [datetime] NULL,  [Customer­ID] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Ad­Import] ADD CONSTRAINT [PK\_\_­Ad­Import\_\_3213E83F66D434F6] PRIMARY KEY CLUSTERED ([id]) ON [PRIMARY]  GO |

Used By

[[dbo].[LDAPImport]](#8zn9gqiQp5QxWrLHJO2z4BUbbWk=)

|  |
| --- |
| [dbo].[Asset­Component]  Ez a tábla a szerviz által felhasználható elemeket tartalmazza. A termék leírása három különböző nyelven megadható, és az árazás is lehet régiós. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 1 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Component­ID | smallint | 2 | NOT NULL | 1 - 1 |
|  | Component­Code | varchar(10) | 10 | NOT NULL |  |
|  | Component­Name | varchar(120) | 120 | NOT NULL |  |
|  | Component­Name­DE | varchar(120) | 120 | NOT NULL |  |
|  | Component­Name­EN | varchar(120) | 120 | NOT NULL |  |
|  | Sub­Category­ID | tinyint | 1 | NULL allowed |  |
|  | Sell­Price | money | 8 | NULL allowed |  |
|  | Sell­Price­DE | money | 8 | NULL allowed |  |
|  | Sell­Price­EN | money | 8 | NULL allowed |  |
|  | Modified­Date | datetime | 8 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Asset­Com\_\_­D79CF02EDD7370B0 | Component­ID | True |
|  | UQ\_\_­Asset­Com\_\_31762907B94A3847 | Component­Name­EN | True |
|  | UQ\_\_­Asset­Com\_\_3176313FF62147F4 | Component­Name­DE | True |
|  | UQ\_\_­Asset­Com\_\_898CFBF8F7FA1916 | Component­Code | True |
|  | UQ\_\_­Asset­Com\_\_­DB06D1C1EF658DC4 | Component­Name | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Asset­Comp\_\_­Sub­Ca\_\_1CBC4616 | Sub­Category­ID->[[dbo].[Asset­Component­Subcategory].[Subcategory­ID]](#o+TdszhHo3KhVU+cIG/nWa20zSA=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Asset­Admin |
| Grant | INSERT | Asset­Admin |
| Grant | SELECT | Asset­Admin |
| Grant | UPDATE | Asset­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Asset­Component]  (  [Component­ID] [smallint] NOT NULL IDENTITY(1, 1),  [Component­Code] [varchar] (10) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Component­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Component­Name­DE] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Component­Name­EN] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Sub­Category­ID] [tinyint] NULL,  [Sell­Price] [money] NULL,  [Sell­Price­DE] [money] NULL,  [Sell­Price­EN] [money] NULL,  [Modified­Date] [datetime] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component] ADD CONSTRAINT [PK\_\_­Asset­Com\_\_­D79CF02EDD7370B0] PRIMARY KEY CLUSTERED ([Component­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_898CFBF8F7FA1916] UNIQUE NONCLUSTERED ([Component­Code]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_­DB06D1C1EF658DC4] UNIQUE NONCLUSTERED ([Component­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_3176313FF62147F4] UNIQUE NONCLUSTERED ([Component­Name­DE]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_31762907B94A3847] UNIQUE NONCLUSTERED ([Component­Name­EN]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component] ADD CONSTRAINT [FK\_\_­Asset­Comp\_\_­Sub­Ca\_\_1CBC4616] FOREIGN KEY ([Sub­Category­ID]) REFERENCES [dbo].[Asset­Component­Subcategory] ([Subcategory­ID])  GO  GRANT DELETE ON [dbo].[Asset­Component] TO [Asset­Admin]  GO  GRANT INSERT ON [dbo].[Asset­Component] TO [Asset­Admin]  GO  GRANT SELECT ON [dbo].[Asset­Component] TO [Asset­Admin]  GO  GRANT UPDATE ON [dbo].[Asset­Component] TO [Asset­Admin]  GO |

Uses

[[dbo].[Asset­Component­Subcategory]](#o+TdszhHo3KhVU+cIG/nWa20zSA=)

Used By

[[dbo].[Asset­Stock]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=)

[[dbo].[Get­Used­Components­By­Worksheet­Number]](#qimwGiTPPBaIxbzyIviCohxwaTo=)

|  |
| --- |
| [dbo].[Asset­Component­Category]  A szerviz által beépíthető, korábban már bevételezett termékek kategóriákba sorolásához készült. Három nyelven tárolható, és az esetleges módosítás dátuma tárolható. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Asste­Compontent­Category­ID | tinyint | 1 | NOT NULL | 1 - 1 |
|  | Category­Name | varchar(120) | 120 | NOT NULL |  |
|  | Category­Name­DE | nvarchar(120) | 240 | NOT NULL |  |
|  | Category­Name­EN | nvarchar(120) | 240 | NOT NULL |  |
|  | Modified­Date | datetime | 8 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Asset­Com\_\_148A92C197C9588E | Asste­Compontent­Category­ID | True |
|  | UQ\_\_­Asset­Com\_\_8517B2E057D0D650 | Category­Name | True |
|  | UQ\_\_­Asset­Com\_\_­C565906860E2EF4C | Category­Name­EN | True |
|  | UQ\_\_­Asset­Com\_\_­C565985076C83FB3 | Category­Name­DE | True |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Asset­Admin |
| Grant | INSERT | Asset­Admin |
| Grant | SELECT | Asset­Admin |
| Grant | UPDATE | Asset­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Asset­Component­Category]  (  [Asste­Compontent­Category­ID] [tinyint] NOT NULL IDENTITY(1, 1),  [Category­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Category­Name­DE] [nvarchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Category­Name­EN] [nvarchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Modified­Date] [datetime] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Category] ADD CONSTRAINT [PK\_\_­Asset­Com\_\_148A92C197C9588E] PRIMARY KEY CLUSTERED ([Asste­Compontent­Category­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Category] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_8517B2E057D0D650] UNIQUE NONCLUSTERED ([Category­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Category] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_­C565985076C83FB3] UNIQUE NONCLUSTERED ([Category­Name­DE]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Category] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_­C565906860E2EF4C] UNIQUE NONCLUSTERED ([Category­Name­EN]) ON [PRIMARY]  GO  GRANT DELETE ON [dbo].[Asset­Component­Category] TO [Asset­Admin]  GO  GRANT INSERT ON [dbo].[Asset­Component­Category] TO [Asset­Admin]  GO  GRANT SELECT ON [dbo].[Asset­Component­Category] TO [Asset­Admin]  GO  GRANT UPDATE ON [dbo].[Asset­Component­Category] TO [Asset­Admin]  GO |

Used By

[[dbo].[Asset­Component­Subcategory]](#o+TdszhHo3KhVU+cIG/nWa20zSA=)

|  |
| --- |
| [dbo].[Asset­Component­Subcategory]  A szerviz által beépíthető, korábban már bevételezett termékek alkategóriákba sorolásához készült. Három nyelven tárolható, és az esetleges módosítás dátuma tárolható. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 7 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Subcategory­ID | tinyint | 1 | NOT NULL | 1 - 1 |
|  | Asste­Compontent­Category­ID | tinyint | 1 | NULL allowed |  |
|  | Component­Subcategory­Name | varchar(120) | 120 | NOT NULL |  |
|  | Component­Subcategory­Name­DE | varchar(120) | 120 | NOT NULL |  |
|  | Component­Subcategory­Name­EN | varchar(120) | 120 | NOT NULL |  |
|  | Modified­Date | datetime | 8 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Asset­Com\_\_9C4E707D77F7063B | Subcategory­ID | True |
|  | UQ\_\_­Asset­Com\_\_3EEC65AADD9C2F5D | Component­Subcategory­Name­EN | True |
|  | UQ\_\_­Asset­Com\_\_3EED61C5BACBF97B | Component­Subcategory­Name­DE | True |
|  | UQ\_\_­Asset­Com\_\_­FCC0002FFB715E7D | Component­Subcategory­Name | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Asset­Comp\_\_­Asste\_\_2FCF1A8A | Asste­Compontent­Category­ID->[[dbo].[Asset­Component­Category].[Asste­Compontent­Category­ID]](#SI6C7V9ulyxiPpcDTvCm76CFeF0=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Asset­Admin |
| Grant | INSERT | Asset­Admin |
| Grant | SELECT | Asset­Admin |
| Grant | UPDATE | Asset­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Asset­Component­Subcategory]  (  [Subcategory­ID] [tinyint] NOT NULL IDENTITY(1, 1),  [Asste­Compontent­Category­ID] [tinyint] NULL,  [Component­Subcategory­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Component­Subcategory­Name­DE] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Component­Subcategory­Name­EN] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Modified­Date] [datetime] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Subcategory] ADD CONSTRAINT [PK\_\_­Asset­Com\_\_9C4E707D77F7063B] PRIMARY KEY CLUSTERED ([Subcategory­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Subcategory] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_­FCC0002FFB715E7D] UNIQUE NONCLUSTERED ([Component­Subcategory­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Subcategory] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_3EED61C5BACBF97B] UNIQUE NONCLUSTERED ([Component­Subcategory­Name­DE]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Subcategory] ADD CONSTRAINT [UQ\_\_­Asset­Com\_\_3EEC65AADD9C2F5D] UNIQUE NONCLUSTERED ([Component­Subcategory­Name­EN]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Component­Subcategory] ADD CONSTRAINT [FK\_\_­Asset­Comp\_\_­Asste\_\_2FCF1A8A] FOREIGN KEY ([Asste­Compontent­Category­ID]) REFERENCES [dbo].[Asset­Component­Category] ([Asste­Compontent­Category­ID])  GO  GRANT DELETE ON [dbo].[Asset­Component­Subcategory] TO [Asset­Admin]  GO  GRANT INSERT ON [dbo].[Asset­Component­Subcategory] TO [Asset­Admin]  GO  GRANT SELECT ON [dbo].[Asset­Component­Subcategory] TO [Asset­Admin]  GO  GRANT UPDATE ON [dbo].[Asset­Component­Subcategory] TO [Asset­Admin]  GO |

Uses

[[dbo].[Asset­Component­Category]](#SI6C7V9ulyxiPpcDTvCm76CFeF0=)

Used By

[[dbo].[Asset­Component]](#erStjxMccLm6WP7oBXikNv6kPvM=)

|  |
| --- |
| [dbo].[Asset­Purchase]  Ez a tábla a bevételezés része, hiszen minden egyes termék egy adott B2B partnertől származik, és egyedi számlaszám tartozik hozzá.   Ez a készletkezelés alapja, hiszen tudnunk kell az adott termék forrását RMA esetén. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 3 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Purchase­ID | int | 4 | NOT NULL | 1 - 1 |  |
|  | Purchase­Date | date | 3 | NOT NULL |  | (sysdatetime()) |
|  | Bill­Number | varchar(40) | 40 | NOT NULL |  |  |
|  | Buy­From | int | 4 | NOT NULL |  |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Asset­Pur\_\_6B0A6BDE8A70D8C8 | Purchase­ID | True |
|  | UQ\_\_­Asset­Pur\_\_­C4BBE0C65C0C1AAD | Bill­Number | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Asset­Purc\_\_­Buy­Fr\_\_208CD6FA | Buy­From->[[dbo].[Customer].[Customer­ID]](#sqgUg8XN+0KEWblgvbAXzE14/dk=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Asset­Admin |
| Grant | INSERT | Asset­Admin |
| Grant | SELECT | Asset­Admin |
| Grant | UPDATE | Asset­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Asset­Purchase]  (  [Purchase­ID] [int] NOT NULL IDENTITY(1, 1),  [Purchase­Date] [date] NOT NULL CONSTRAINT [DF\_\_­Asset­Purc\_\_­Purch\_\_76969D2E] DEFAULT (sysdatetime()),  [Bill­Number] [varchar] (40) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Buy­From] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Purchase] ADD CONSTRAINT [PK\_\_­Asset­Pur\_\_6B0A6BDE8A70D8C8] PRIMARY KEY CLUSTERED ([Purchase­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Purchase] ADD CONSTRAINT [UQ\_\_­Asset­Pur\_\_­C4BBE0C65C0C1AAD] UNIQUE NONCLUSTERED ([Bill­Number]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Purchase] ADD CONSTRAINT [FK\_\_­Asset­Purc\_\_­Buy­Fr\_\_208CD6FA] FOREIGN KEY ([Buy­From]) REFERENCES [dbo].[Customer] ([Customer­ID])  GO  GRANT DELETE ON [dbo].[Asset­Purchase] TO [Asset­Admin]  GO  GRANT INSERT ON [dbo].[Asset­Purchase] TO [Asset­Admin]  GO  GRANT SELECT ON [dbo].[Asset­Purchase] TO [Asset­Admin]  GO  GRANT UPDATE ON [dbo].[Asset­Purchase] TO [Asset­Admin]  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

Used By

[[dbo].[Asset­Stock]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=)

|  |
| --- |
| [dbo].[Asset­Stock]  Ez maga a készlet tábla, ami a B2B partner (Customer), és az AsserPurchase tábla alapján szintén a készlet kezelés fontos része. Itt kerül tárolásra minden fontos információ, pl. sorozatszám, garancia ideje.  Országonként eltérő árak és áfa kulcsok is megadhatók, ill. maga a készlet mennyisége is itt kerül tárolásra.  A sorozatszám esetében tudatos a NULL engedése, mivel vannak olyan termékek is, amelyek nem rendelkeznek sorozatszámmal. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 3 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Asset­ID | int | 4 | NOT NULL | 1 - 1 |  |
|  | Component­ID | smallint | 2 | NOT NULL |  |  |
|  | Purchase­ID | int | 4 | NOT NULL |  |  |
|  | Vat­ID | tinyint | 1 | NOT NULL |  |  |
|  | Vat­Id­DE | tinyint | 1 | NOT NULL |  |  |
|  | Vat­Id­EN | tinyint | 1 | NOT NULL |  |  |
|  | Service­Code | int | 4 | NULL allowed |  |  |
|  | Site­Code | smallint | 2 | NULL allowed |  |  |
|  | Serial­Number | varchar(100) | 100 | NULL allowed |  |  |
|  | Warranty­Year | tinyint | 1 | NOT NULL |  | ((1)) |
|  | List­Price | money | 8 | NULL allowed |  |  |
|  | List­Price­DE | money | 8 | NULL allowed |  |  |
|  | List­Price­EN | money | 8 | NULL allowed |  |  |
|  | Quantity | tinyint | 1 | NOT NULL |  |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Asset­Sto\_\_43492372C070E4DA | Asset­ID | True |

Check Constraints

|  |  |
| --- | --- |
| Name | Constraint |
| CK\_­Asset­Stock\_­Service­Or­Site­Code | ([Service­Code] IS NOT NULL OR [Site­Code] IS NOT NULL) |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Asset­Stoc\_\_­Compo\_\_2180FB33 | Component­ID->[[dbo].[Asset­Component].[Component­ID]](#erStjxMccLm6WP7oBXikNv6kPvM=) |
| FK\_\_­Asset­Stoc\_\_­Purch\_\_282DF8C2 | Purchase­ID->[[dbo].[Asset­Purchase].[Purchase­ID]](#58qSTaYmdTOVYG9DymWaO4TraGc=) |
| FK\_\_­Asset­Stoc\_\_­Vat­ID\_\_3A4CA8FD | Vat­ID->[[dbo].[Dict­VAT].[VATID]](#egQAPwbN5UUu/p8DK84v8rryVr0=) |
| FK\_\_­Asset­Stoc\_\_­Vat­Id\_\_3E1D39E1 | Vat­Id­DE->[[dbo].[Dict­VAT].[VATID]](#egQAPwbN5UUu/p8DK84v8rryVr0=) |
| FK\_\_­Asset­Stoc\_\_­Vat­Id\_\_3F115E1A | Vat­Id­EN->[[dbo].[Dict­VAT].[VATID]](#egQAPwbN5UUu/p8DK84v8rryVr0=) |
| FK\_\_­Asset­Stoc\_\_­Servi\_\_37703C52 | Service­Code->[[dbo].[Service].[Service­Code]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=) |
| FK\_\_­Asset­Stoc\_\_­Site­C\_\_3864608B | Site­Code->[[dbo].[Site].[Site­Code]](#bHopcz2PUneYaZeJ3HQESMTu8CU=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Asset­Admin |
| Grant | INSERT | Asset­Admin |
| Grant | SELECT | Asset­Admin |
| Grant | UPDATE | Asset­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Asset­Stock]  (  [Asset­ID] [int] NOT NULL IDENTITY(1, 1),  [Component­ID] [smallint] NOT NULL,  [Purchase­ID] [int] NOT NULL,  [Vat­ID] [tinyint] NOT NULL,  [Vat­Id­DE] [tinyint] NOT NULL,  [Vat­Id­EN] [tinyint] NOT NULL,  [Service­Code] [int] NULL,  [Site­Code] [smallint] NULL,  [Serial­Number] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NULL,  [Warranty­Year] [tinyint] NOT NULL CONSTRAINT [DF\_\_­Asset­Stoc\_\_­Warra\_\_71D1E811] DEFAULT ((1)),  [List­Price] [money] NULL,  [List­Price­DE] [money] NULL,  [List­Price­EN] [money] NULL,  [Quantity] [tinyint] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [CK\_­Asset­Stock\_­Service­Or­Site­Code] CHECK (([Service­Code] IS NOT NULL OR [Site­Code] IS NOT NULL))  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [PK\_\_­Asset­Sto\_\_43492372C070E4DA] PRIMARY KEY CLUSTERED ([Asset­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [FK\_\_­Asset­Stoc\_\_­Compo\_\_2180FB33] FOREIGN KEY ([Component­ID]) REFERENCES [dbo].[Asset­Component] ([Component­ID])  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [FK\_\_­Asset­Stoc\_\_­Purch\_\_282DF8C2] FOREIGN KEY ([Purchase­ID]) REFERENCES [dbo].[Asset­Purchase] ([Purchase­ID])  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [FK\_\_­Asset­Stoc\_\_­Vat­ID\_\_3A4CA8FD] FOREIGN KEY ([Vat­ID]) REFERENCES [dbo].[Dict­VAT] ([VATID])  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [FK\_\_­Asset­Stoc\_\_­Vat­Id\_\_3E1D39E1] FOREIGN KEY ([Vat­Id­DE]) REFERENCES [dbo].[Dict­VAT] ([VATID])  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [FK\_\_­Asset­Stoc\_\_­Vat­Id\_\_3F115E1A] FOREIGN KEY ([Vat­Id­EN]) REFERENCES [dbo].[Dict­VAT] ([VATID])  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [FK\_\_­Asset­Stoc\_\_­Servi\_\_37703C52] FOREIGN KEY ([Service­Code]) REFERENCES [dbo].[Service] ([Service­Code])  GO  ALTER TABLE [dbo].[Asset­Stock] ADD CONSTRAINT [FK\_\_­Asset­Stoc\_\_­Site­C\_\_3864608B] FOREIGN KEY ([Site­Code]) REFERENCES [dbo].[Site] ([Site­Code])  GO  GRANT DELETE ON [dbo].[Asset­Stock] TO [Asset­Admin]  GO  GRANT INSERT ON [dbo].[Asset­Stock] TO [Asset­Admin]  GO  GRANT SELECT ON [dbo].[Asset­Stock] TO [Asset­Admin]  GO  GRANT UPDATE ON [dbo].[Asset­Stock] TO [Asset­Admin]  GO |

Uses

[[dbo].[Asset­Component]](#erStjxMccLm6WP7oBXikNv6kPvM=)

[[dbo].[Asset­Purchase]](#58qSTaYmdTOVYG9DymWaO4TraGc=)

[[dbo].[Dict­VAT]](#egQAPwbN5UUu/p8DK84v8rryVr0=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Site]](#bHopcz2PUneYaZeJ3HQESMTu8CU=)

Used By

[[dbo].[Used­Component]](#Fp5psZqKIOBQo1WqViXHQ2oIlCo=)

[[dbo].[Get­Used­Components­By­Worksheet­Number]](#qimwGiTPPBaIxbzyIviCohxwaTo=)

|  |
| --- |
| [dbo].[Bill]  Ez a tábla egy későbbi esetleges számlázó rendszer részére történő adatátadás előkészítéséhez készült. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 104822 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Default |
|  | Worksheet­ID | int | 4 | NOT NULL |  |
|  | Sent­Status | int | 4 | NULL allowed | ((0)) |
|  | Paymment­Status | varchar(20) | 20 | NULL allowed |  |
|  | TS | timestamp | 8 | NOT NULL |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Bill\_\_58C29233183BF977 | Worksheet­ID | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Bill\_\_­Worksheet­I\_\_2DE6D218 | Worksheet­ID->[[dbo].[Worksheet].[Worksheet­ID]](#PcevR2WyulypyoLVEGmG016P3k8=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Bill]  (  [Worksheet­ID] [int] NOT NULL,  [Sent­Status] [int] NULL CONSTRAINT [DF\_\_­Bill\_\_­Sent­Status\_\_14270015] DEFAULT ((0)),  [Paymment­Status] [varchar] (20) COLLATE Hungarian\_­CI\_­AS NULL,  [TS] [timestamp] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Bill] ADD CONSTRAINT [PK\_\_­Bill\_\_58C29233183BF977] PRIMARY KEY CLUSTERED ([Worksheet­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Bill] ADD CONSTRAINT [FK\_\_­Bill\_\_­Worksheet­I\_\_2DE6D218] FOREIGN KEY ([Worksheet­ID]) REFERENCES [dbo].[Worksheet] ([Worksheet­ID])  GO |

Uses

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| [dbo].[Customer]  Ez egy összetett tábla. Több eltérő szerepkört is ellát. Itt kerültek eltárolásra az ügyfelek, a dolgozók, az alvállalkozók, de maguk a B2B partnerek is.  A dolgozók számára egy külön tábla is létrehozásra került a jogosultságok és a gyorsabb kereshetőség miatt. (Worker).   A különböző típusok bit-es módon vannak elkülönítve. Minden ügyfélhez van generálva egy egyedi jelszó is, ami azt a célt szolgálja, hogy az ügyfél az e-mail cím és jelszó párossal nyomon tuja követni az adott munka állapotát.  Az adatok ellenőrzése kliens oldalon kiemelten fontos a közös kezelés jellege miatt, mivel pl. ha egy B2B partnert veszünk fel nem lehet kötelezően kitöltendő mező pl. a First, Middle, LastName. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 100011 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 21:27:22 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Customer­ID | int | 4 | NOT NULL | 1 - 1 |  |
|  | First­Name | varchar(30) | 30 | NULL allowed |  |  |
|  | Middle­Name | varchar(30) | 30 | NULL allowed |  |  |
|  | Last­Name | varchar(30) | 30 | NULL allowed |  |  |
|  | Email | varchar(90) | 90 | NULL allowed |  |  |
|  | Permit­Login | bit | 1 | NULL allowed |  | ((0)) |
|  | Customer­Password | varchar(8) | 8 | NULL allowed |  |  |
|  | Phone­Number | varchar(20) | 20 | NULL allowed |  |  |
|  | Second­Phone­Number | varchar(20) | 20 | NULL allowed |  |  |
|  | Is­Newsletter | bit | 1 | NULL allowed |  |  |
|  | Has­Buyer­Card | bit | 1 | NULL allowed |  |  |
|  | Buyer­Card­Number | varchar(10) | 10 | NULL allowed |  |  |
|  | is­Worker | bit | 1 | NULL allowed |  | ((0)) |
|  | is­Subcontractor | bit | 1 | NULL allowed |  | ((0)) |
|  | Subcontractor­Name | varchar(100) | 100 | NULL allowed |  |  |
|  | is­B2b­Parnter | bit | 1 | NULL allowed |  | ((0)) |
|  | B2b­Partner­Name | varchar(100) | 100 | NULL allowed |  |  |

Indexes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Key Columns | Included Columns | Unique |
|  | PK\_\_­Customer\_\_­A4AE64B89861F0BD | Customer­ID |  | True |
|  | UQ\_\_­Customer\_\_85FB4E3896AC4CEE | Phone­Number |  | True |
|  | IX\_­Customer\_­Firstname | First­Name | Middle­Name, Last­Name |  |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Customer]  (  [Customer­ID] [int] NOT NULL IDENTITY(1, 1),  [First­Name] [varchar] (30) COLLATE Hungarian\_­CI\_­AS NULL,  [Middle­Name] [varchar] (30) COLLATE Hungarian\_­CI\_­AS NULL,  [Last­Name] [varchar] (30) COLLATE Hungarian\_­CI\_­AS NULL,  [Email] [varchar] (90) COLLATE Hungarian\_­CI\_­AS NULL,  [Permit­Login] [bit] NULL CONSTRAINT [DF\_\_­Customer\_\_­Permit\_\_38996AB5] DEFAULT ((0)),  [Customer­Password] [varchar] (8) COLLATE Hungarian\_­CI\_­AS NULL,  [Phone­Number] [varchar] (20) COLLATE Hungarian\_­CI\_­AS NULL,  [Second­Phone­Number] [varchar] (20) COLLATE Hungarian\_­CI\_­AS NULL,  [Is­Newsletter] [bit] NULL,  [Has­Buyer­Card] [bit] NULL,  [Buyer­Card­Number] [varchar] (10) COLLATE Hungarian\_­CI\_­AS NULL,  [is­Worker] [bit] NULL CONSTRAINT [DF\_\_­Customer\_\_is­Work\_\_398D8EEE] DEFAULT ((0)),  [is­Subcontractor] [bit] NULL CONSTRAINT [DF\_\_­Customer\_\_is­Subc\_\_3A81B327] DEFAULT ((0)),  [Subcontractor­Name] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NULL,  [is­B2b­Parnter] [bit] NULL CONSTRAINT [DF\_\_­Customer\_\_is­B2b­P\_\_3B75D760] DEFAULT ((0)),  [B2b­Partner­Name] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Customer] ADD CONSTRAINT [PK\_\_­Customer\_\_­A4AE64B89861F0BD] PRIMARY KEY CLUSTERED ([Customer­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­Customer\_­Firstname] ON [dbo].[Customer] ([First­Name]) INCLUDE ([Middle­Name], [Last­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Customer] ADD CONSTRAINT [UQ\_\_­Customer\_\_85FB4E3896AC4CEE] UNIQUE NONCLUSTERED ([Phone­Number]) ON [PRIMARY]  GO |

Used By

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Asset­Purchase]](#58qSTaYmdTOVYG9DymWaO4TraGc=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[v­Stat­Customer­Buyer­Card]](#GHZ24O/VdioxXVnh4WpqUD+xv0I=)

[[dbo].[v­Stat­Customer­City]](#7Kmd33CgK5i8xtTuUyTgvu97LOs=)

[[dbo].[v­Stat­Customer­County]](#SJODI/bLnmwNjQew43Om3z2U2eY=)

[[app].[Get­Works­By­Worksheet­Number]](#od/hJPCA6Zy1DIuaIBbZPH7HXn8=)

[[app].[Get­Works­By­Worksheet­Number­DE]](#MqdeeAO4sr2aQEIaJWwyTf5EOg0=)

[[app].[Get­Works­By­Worksheet­Number­EN]](#jH+I0FF5I8J767HdMlSEbNhRr9Y=)

[[dbo].[Create­Customer]](#/ZNioM7g8C2hN3gndly3y1tGzvg=)

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

[[dbo].[Get­Used­Components­By­Worksheet­Number]](#qimwGiTPPBaIxbzyIviCohxwaTo=)

[[dbo].[Get­Works­By­Worksheet­Number]](#YR/VPZwl/NACVG2ifpMV7Kb1agg=)

[[dbo].[Get­Worksheet­Basic­Data]](#6To8nsrQn112brBtqaknscPPFpE=)

[[dbo].[LDAPImport]](#8zn9gqiQp5QxWrLHJO2z4BUbbWk=)

|  |
| --- |
| [dbo].[Dict­Country]  Szótár tábla az országok tárolásához. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 3 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | Country­Code | char(2) | 2 | NOT NULL |
|  | Country­Name | varchar(50) | 50 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Dict­Coun\_\_5D9B0D2DC169F616 | Country­Code | True |
|  | UQ\_\_­Dict­Coun\_\_­E056F2019A20CC37 | Country­Name | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Dict­Country]  (  [Country­Code] [char] (2) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Country­Name] [varchar] (50) COLLATE Hungarian\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­Country] ADD CONSTRAINT [PK\_\_­Dict­Coun\_\_5D9B0D2DC169F616] PRIMARY KEY CLUSTERED ([Country­Code]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­Country] ADD CONSTRAINT [UQ\_\_­Dict­Coun\_\_­E056F2019A20CC37] UNIQUE NONCLUSTERED ([Country­Name]) ON [PRIMARY]  GO |

Used By

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Dict­County]](#xwwli2e/CiSuHqOWj0qJReuxcCs=)

|  |
| --- |
| [dbo].[Dict­County]  Szótár tábla a megyék tárolásához. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 20 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | County­ID | int | 4 | NOT NULL | 1 - 1 |
|  | Country­Code | char(2) | 2 | NULL allowed |  |
|  | County­Name | varchar(50) | 50 | NOT NULL |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Dict­Coun\_\_­B68F9DF7A0316FF0 | County­ID | True |
|  | UQ\_\_­Dict­Coun\_\_­F3C40510A162E9A3 | County­Name | True |

Foreign Keys

|  |  |  |
| --- | --- | --- |
| Name | No Check | Columns |
| FK\_\_­Dict­Count\_\_­Count\_\_245D67DE | True | Country­Code->[[dbo].[Dict­Country].[Country­Code]](#gbhsh+NGN/wxijQc6/2nn4sb/Ic=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Dict­County]  (  [County­ID] [int] NOT NULL IDENTITY(1, 1),  [Country­Code] [char] (2) COLLATE Hungarian\_­CI\_­AS NULL,  [County­Name] [varchar] (50) COLLATE Hungarian\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­County] ADD CONSTRAINT [PK\_\_­Dict­Coun\_\_­B68F9DF7A0316FF0] PRIMARY KEY CLUSTERED ([County­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­County] ADD CONSTRAINT [UQ\_\_­Dict­Coun\_\_­F3C40510A162E9A3] UNIQUE NONCLUSTERED ([County­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­County] WITH NOCHECK ADD CONSTRAINT [FK\_\_­Dict­Count\_\_­Count\_\_245D67DE] FOREIGN KEY ([Country­Code]) REFERENCES [dbo].[Dict­Country] ([Country­Code])  GO |

Uses

[[dbo].[Dict­Country]](#gbhsh+NGN/wxijQc6/2nn4sb/Ic=)

Used By

[[dbo].[Postal­Code]](#HIxLf0IfiHYccH3pAleEH0WUDcg=)

[[dbo].[v­Stat­Customer­County]](#SJODI/bLnmwNjQew43Om3z2U2eY=)

|  |
| --- |
| [dbo].[Dict­VAT]  Szótár tábla az ÁFA kulcsok tárolásához, eltérő országokhoz is van lehetőség eltérő áfakulcsokat rögzíteni. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | VATID | tinyint | 1 | NOT NULL | 1 - 1 |
|  | VATName | varchar(120) | 120 | NULL allowed |  |
|  | VATName­DE | varchar(120) | 120 | NULL allowed |  |
|  | VATName­EN | varchar(120) | 120 | NULL allowed |  |
|  | VATPercent | decimal(3,3) | 5 | NOT NULL |  |
|  | Date­From | date | 3 | NULL allowed |  |
|  | Date­To | date | 3 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Dict­VAT\_\_4A9628CEE03A70BE | VATID | True |
|  | UQ\_\_­Dict­VAT\_\_­F2ABE2AFA21EEF0C | VATPercent | True |

Check Constraints

|  |  |
| --- | --- |
| Name | Constraint |
| CK\_­Dict­VAT\_­Date­To | ([Date­To]>[Date­From]) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Dict­VAT]  (  [VATID] [tinyint] NOT NULL IDENTITY(1, 1),  [VATName] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [VATName­DE] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [VATName­EN] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [VATPercent] [decimal] (3, 3) NOT NULL,  [Date­From] [date] NULL,  [Date­To] [date] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­VAT] ADD CONSTRAINT [CK\_­Dict­VAT\_­Date­To] CHECK (([Date­To]>[Date­From]))  GO  ALTER TABLE [dbo].[Dict­VAT] ADD CONSTRAINT [PK\_\_­Dict­VAT\_\_4A9628CEE03A70BE] PRIMARY KEY CLUSTERED ([VATID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­VAT] ADD CONSTRAINT [UQ\_\_­Dict­VAT\_\_­F2ABE2AFA21EEF0C] UNIQUE NONCLUSTERED ([VATPercent]) ON [PRIMARY]  GO |

Used By

[[dbo].[Asset­Stock]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=)

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

|  |
| --- |
| [dbo].[Dict­Worksheet­Status]  Szótár tábla a javítás során előforduló státuszokhoz. Pl. Folyamatban, alkatrészre vár. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 3 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Status­Code | tinyint | 1 | NOT NULL | 1 - 1 |
|  | Status­Name | varchar(120) | 120 | NOT NULL |  |
|  | Status­Name­DE | varchar(120) | 120 | NOT NULL |  |
|  | Status­Name­EN | varchar(120) | 120 | NOT NULL |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Dict­Work\_\_6A7B44FD01EE324F | Status­Code | True |
|  | UQ\_\_­Dict­Work\_\_05E7698A028212BB | Status­Name | True |
|  | UQ\_\_­Dict­Work\_\_977A880CF50CF54C | Status­Name­DE | True |
|  | UQ\_\_­Dict­Work\_\_977AF0E414EF718A | Status­Name­EN | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Dict­Worksheet­Status]  (  [Status­Code] [tinyint] NOT NULL IDENTITY(1, 1),  [Status­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Status­Name­DE] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Status­Name­EN] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­Worksheet­Status] ADD CONSTRAINT [PK\_\_­Dict­Work\_\_6A7B44FD01EE324F] PRIMARY KEY CLUSTERED ([Status­Code]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­Worksheet­Status] ADD CONSTRAINT [UQ\_\_­Dict­Work\_\_05E7698A028212BB] UNIQUE NONCLUSTERED ([Status­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­Worksheet­Status] ADD CONSTRAINT [UQ\_\_­Dict­Work\_\_977A880CF50CF54C] UNIQUE NONCLUSTERED ([Status­Name­DE]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Dict­Worksheet­Status] ADD CONSTRAINT [UQ\_\_­Dict­Work\_\_977AF0E414EF718A] UNIQUE NONCLUSTERED ([Status­Name­EN]) ON [PRIMARY]  GO |

Used By

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| [dbo].[Postal­Code]  Ez a tábla tartalmazza a magyar irányítószámokat, településnevekkel.   A magyar posta hivatalos adatai alapján importáltam CSV fájlból, tárolja a megyéket is. Nagyon fontos a statisztikai adatok szempontjából is. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 3570 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Postal­Code­ID | int | 4 | NOT NULL | 1 - 1 |
|  | Postal­Code | varchar(10) | 10 | NULL allowed |  |
|  | County­ID | int | 4 | NULL allowed |  |
|  | City­Name | varchar(50) | 50 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Postal­Co\_\_­E197FE61F0EE008B | Postal­Code­ID | True |

Foreign Keys

|  |  |  |
| --- | --- | --- |
| Name | No Check | Columns |
| FK\_\_­Postal­Cod\_\_­Count\_\_236943A5 | True | County­ID->[[dbo].[Dict­County].[County­ID]](#xwwli2e/CiSuHqOWj0qJReuxcCs=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Postal­Code]  (  [Postal­Code­ID] [int] NOT NULL IDENTITY(1, 1),  [Postal­Code] [varchar] (10) COLLATE Hungarian\_­CI\_­AS NULL,  [County­ID] [int] NULL,  [City­Name] [varchar] (50) COLLATE Hungarian\_­CI\_­AS NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Postal­Code] ADD CONSTRAINT [PK\_\_­Postal­Co\_\_­E197FE61F0EE008B] PRIMARY KEY CLUSTERED ([Postal­Code­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Postal­Code] WITH NOCHECK ADD CONSTRAINT [FK\_\_­Postal­Cod\_\_­Count\_\_236943A5] FOREIGN KEY ([County­ID]) REFERENCES [dbo].[Dict­County] ([County­ID])  GO |

Uses

[[dbo].[Dict­County]](#xwwli2e/CiSuHqOWj0qJReuxcCs=)

Used By

[[dbo].[v­Stat­Customer­City]](#7Kmd33CgK5i8xtTuUyTgvu97LOs=)

[[dbo].[v­Stat­Customer­County]](#SJODI/bLnmwNjQew43Om3z2U2eY=)

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

|  |
| --- |
| [dbo].[Service]  A szervízek adatai tartalmazza. A ServiceFrom, és To mezők alapján tárolható, hogy az adott szerviz még rendelkezésre áll-e. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 3 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Service­Code | int | 4 | NOT NULL | 1 - 1 |
|  | Service­Name | varchar(100) | 100 | NOT NULL |  |
|  | Address­ID | int | 4 | NULL allowed |  |
|  | Phone­Number | varchar(20) | 20 | NULL allowed |  |
|  | Email | varchar(90) | 90 | NULL allowed |  |
|  | Service­From | date | 3 | NULL allowed |  |
|  | Service­To | date | 3 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Service\_\_­A01D74C8B82C2699 | Service­Code | True |
|  | UQ\_\_­Service\_\_­A42B5F99D4F10173 | Service­Name | True |

Check Constraints

|  |  |
| --- | --- |
| Name | Constraint |
| CK\_­Service\_­To­Date | ([Service­To]>[Service­From]) |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Service\_\_­Address\_\_2645B050 | Address­ID->[[dbo].[Address].[Address­Id]](#/li3/kCHXYcZNld48bWHj/ABexQ=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Service]  (  [Service­Code] [int] NOT NULL IDENTITY(1, 1),  [Service­Name] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Address­ID] [int] NULL,  [Phone­Number] [varchar] (20) COLLATE Hungarian\_­CI\_­AS NULL,  [Email] [varchar] (90) COLLATE Hungarian\_­CI\_­AS NULL,  [Service­From] [date] NULL,  [Service­To] [date] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Service] ADD CONSTRAINT [CK\_­Service\_­To­Date] CHECK (([Service­To]>[Service­From]))  GO  ALTER TABLE [dbo].[Service] ADD CONSTRAINT [PK\_\_­Service\_\_­A01D74C8B82C2699] PRIMARY KEY CLUSTERED ([Service­Code]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Service] ADD CONSTRAINT [UQ\_\_­Service\_\_­A42B5F99D4F10173] UNIQUE NONCLUSTERED ([Service­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Service] ADD CONSTRAINT [FK\_\_­Service\_\_­Address\_\_2645B050] FOREIGN KEY ([Address­ID]) REFERENCES [dbo].[Address] ([Address­Id])  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

Used By

[[dbo].[Asset­Stock]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=)

[[dbo].[Site]](#bHopcz2PUneYaZeJ3HQESMTu8CU=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[v­Stat­Customer­Buyer­Card]](#GHZ24O/VdioxXVnh4WpqUD+xv0I=)

[[dbo].[v­Stat­Worksheet]](#7oQiVpqtemysrSmF7yQYDQujcOU=)

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

[[dbo].[Create­Worksheet]](#cI1t1pfxdHrLVyeWeM7BxcrGOOk=)

[[dbo].[Get­Worksheet­Basic­Data]](#6To8nsrQn112brBtqaknscPPFpE=)

|  |
| --- |
| [dbo].[Site]  A szervízekhez tartozó különböző telephelyek tárolására szolgál. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | Site­Code | smallint | 2 | NOT NULL |
|  | Service­Code | int | 4 | NULL allowed |
|  | Site­Name | varchar(100) | 100 | NOT NULL |
|  | Phone­Number | varchar(20) | 20 | NULL allowed |
|  | Email | varchar(90) | 90 | NULL allowed |
|  | Address­ID | int | 4 | NULL allowed |
|  | Site­From | date | 3 | NULL allowed |
|  | Site­To | date | 3 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Site\_\_­A12A33662EB84E1F | Site­Code | True |
|  | UQ\_\_­Site\_\_686162EF703A8BC3 | Site­Name | True |

Check Constraints

|  |  |
| --- | --- |
| Name | Constraint |
| CK\_­Site\_­To­Date | ([Site­To]>[Site­From]) |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Site\_\_­Address­ID\_\_2739D489 | Address­ID->[[dbo].[Address].[Address­Id]](#/li3/kCHXYcZNld48bWHj/ABexQ=) |
| FK\_\_­Site\_\_­Service­Cod\_\_2A164134 | Service­Code->[[dbo].[Service].[Service­Code]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Site]  (  [Site­Code] [smallint] NOT NULL,  [Service­Code] [int] NULL,  [Site­Name] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Phone­Number] [varchar] (20) COLLATE Hungarian\_­CI\_­AS NULL,  [Email] [varchar] (90) COLLATE Hungarian\_­CI\_­AS NULL,  [Address­ID] [int] NULL,  [Site­From] [date] NULL,  [Site­To] [date] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Site] ADD CONSTRAINT [CK\_­Site\_­To­Date] CHECK (([Site­To]>[Site­From]))  GO  ALTER TABLE [dbo].[Site] ADD CONSTRAINT [PK\_\_­Site\_\_­A12A33662EB84E1F] PRIMARY KEY CLUSTERED ([Site­Code]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Site] ADD CONSTRAINT [UQ\_\_­Site\_\_686162EF703A8BC3] UNIQUE NONCLUSTERED ([Site­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Site] ADD CONSTRAINT [FK\_\_­Site\_\_­Address­ID\_\_2739D489] FOREIGN KEY ([Address­ID]) REFERENCES [dbo].[Address] ([Address­Id])  GO  ALTER TABLE [dbo].[Site] ADD CONSTRAINT [FK\_\_­Site\_\_­Service­Cod\_\_2A164134] FOREIGN KEY ([Service­Code]) REFERENCES [dbo].[Service] ([Service­Code])  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

Used By

[[dbo].[Asset­Stock]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| [dbo].[Used­Component]  A munkalapokhoz kapcsolódó felhasznált termékek rögzítését oldja meg.  Tárolva van, hogy melyik munkalaphoz, melyik dolgozó milyen alkatrészt, és hány darabot használt fel.   Nyilván egy munkalaphoz több dolgozó több alkatrészt is felhasználhat. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Row Count (~) | 1 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | Worksheet­ID | int | 4 | NOT NULL |
|  | Worker­ID | smallint | 2 | NOT NULL |
|  | Asset­ID | int | 4 | NOT NULL |
|  | Quantity | tinyint | 1 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Used­Comp\_\_58C2923356530A6F | Worksheet­ID | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Used­Compo\_\_­Asset\_\_29221CFB | Asset­ID->[[dbo].[Asset­Stock].[Asset­ID]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=) |
| FK\_\_­Used­Compo\_\_­Worke\_\_395884C4 | Worker­ID->[[dbo].[Worker].[Worker­ID]](#S6zwzENq3CD8ChCBF67bFgrMO2g=) |
| FK\_\_­Used­Compo\_\_­Works\_\_1DB06A4F | Worksheet­ID->[[dbo].[Worksheet].[Worksheet­ID]](#PcevR2WyulypyoLVEGmG016P3k8=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Used­Component]  (  [Worksheet­ID] [int] NOT NULL,  [Worker­ID] [smallint] NOT NULL,  [Asset­ID] [int] NOT NULL,  [Quantity] [tinyint] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Used­Component] ADD CONSTRAINT [PK\_\_­Used­Comp\_\_58C2923356530A6F] PRIMARY KEY CLUSTERED ([Worksheet­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Used­Component] ADD CONSTRAINT [FK\_\_­Used­Compo\_\_­Asset\_\_29221CFB] FOREIGN KEY ([Asset­ID]) REFERENCES [dbo].[Asset­Stock] ([Asset­ID])  GO  ALTER TABLE [dbo].[Used­Component] ADD CONSTRAINT [FK\_\_­Used­Compo\_\_­Worke\_\_395884C4] FOREIGN KEY ([Worker­ID]) REFERENCES [dbo].[Worker] ([Worker­ID])  GO  ALTER TABLE [dbo].[Used­Component] ADD CONSTRAINT [FK\_\_­Used­Compo\_\_­Works\_\_1DB06A4F] FOREIGN KEY ([Worksheet­ID]) REFERENCES [dbo].[Worksheet] ([Worksheet­ID])  GO |

Uses

[[dbo].[Asset­Stock]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

Used By

[[dbo].[Get­Used­Components­By­Worksheet­Number]](#qimwGiTPPBaIxbzyIviCohxwaTo=)

|  |
| --- |
| [dbo].[Work] A munkalapokhoz kapcsolható munkák leírása. Itt kerül tárolásra országos szinten a munka megnevezése, áfakulcsa, ára, és hogy egységáras, vagy pedig óradíjas szoláltatásról van-e szó.   Értelemszerűen ez országonként eltérhet mindkét esetben. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 9 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Work­ID | smallint | 2 | NOT NULL | 1 - 1 |  |
|  | Work­Code | varchar(10) | 10 | NULL allowed |  |  |
|  | Work­Name | varchar(120) | 120 | NOT NULL |  |  |
|  | Work­Name­DE | varchar(120) | 120 | NOT NULL |  |  |
|  | Work­Name­EN | varchar(120) | 120 | NOT NULL |  |  |
|  | Work­Sub­Category­ID | tinyint | 1 | NULL allowed |  |  |
|  | i­SHourly­Work | bit | 1 | NULL allowed |  | ((0)) |
|  | Hourly­Work­Price | money | 8 | NULL allowed |  |  |
|  | Hourly­Work­Price­DE | money | 8 | NULL allowed |  |  |
|  | Hourly­Work­Price­EN | money | 8 | NULL allowed |  |  |
|  | Vat­ID | tinyint | 1 | NOT NULL |  |  |
|  | Vat­Id­DE | tinyint | 1 | NOT NULL |  |  |
|  | Vat­Id­EN | tinyint | 1 | NOT NULL |  |  |
|  | Price | money | 8 | NULL allowed |  |  |
|  | Price­DE | money | 8 | NULL allowed |  |  |
|  | Price­EN | money | 8 | NULL allowed |  |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Work\_\_2DE6D215CEAD825B | Work­ID | True |
|  | UQ\_\_­Work\_\_302D3E24852E1951 | Work­Name­DE | True |
|  | UQ\_\_­Work\_\_302D454B2ED3B991 | Work­Name­EN | True |
|  | UQ\_\_­Work\_\_58DF351D82A9ADAB | Work­Name | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Work\_\_­Vat­ID\_\_3B40CD36 | Vat­ID->[[dbo].[Dict­VAT].[VATID]](#egQAPwbN5UUu/p8DK84v8rryVr0=) |
| FK\_\_­Work\_\_­Vat­Id­DE\_\_3C34F16F | Vat­Id­DE->[[dbo].[Dict­VAT].[VATID]](#egQAPwbN5UUu/p8DK84v8rryVr0=) |
| FK\_\_­Work\_\_­Vat­Id­EN\_\_3D2915A8 | Vat­Id­EN->[[dbo].[Dict­VAT].[VATID]](#egQAPwbN5UUu/p8DK84v8rryVr0=) |
| FK\_\_­Work\_\_­Work­Sub­Cat\_\_32AB8735 | Work­Sub­Category­ID->[[dbo].[Work­Subcategory].[Work­Subcategory­ID]](#ilknHGekGFR953HR4FPC5TJlsYg=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Work­Admin |
| Grant | INSERT | Work­Admin |
| Grant | SELECT | Work­Admin |
| Grant | UPDATE | Work­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Work]  (  [Work­ID] [smallint] NOT NULL IDENTITY(1, 1),  [Work­Code] [varchar] (10) COLLATE Hungarian\_­CI\_­AS NULL,  [Work­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Work­Name­DE] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Work­Name­EN] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NOT NULL,  [Work­Sub­Category­ID] [tinyint] NULL,  [i­SHourly­Work] [bit] NULL CONSTRAINT [DF\_\_­Work\_\_i­SHourly­Wo\_\_0D7A0286] DEFAULT ((0)),  [Hourly­Work­Price] [money] NULL,  [Hourly­Work­Price­DE] [money] NULL,  [Hourly­Work­Price­EN] [money] NULL,  [Vat­ID] [tinyint] NOT NULL,  [Vat­Id­DE] [tinyint] NOT NULL,  [Vat­Id­EN] [tinyint] NOT NULL,  [Price] [money] NULL,  [Price­DE] [money] NULL,  [Price­EN] [money] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [PK\_\_­Work\_\_2DE6D215CEAD825B] PRIMARY KEY CLUSTERED ([Work­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [UQ\_\_­Work\_\_58DF351D82A9ADAB] UNIQUE NONCLUSTERED ([Work­Name]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [UQ\_\_­Work\_\_302D3E24852E1951] UNIQUE NONCLUSTERED ([Work­Name­DE]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [UQ\_\_­Work\_\_302D454B2ED3B991] UNIQUE NONCLUSTERED ([Work­Name­EN]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [FK\_\_­Work\_\_­Vat­ID\_\_3B40CD36] FOREIGN KEY ([Vat­ID]) REFERENCES [dbo].[Dict­VAT] ([VATID])  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [FK\_\_­Work\_\_­Vat­Id­DE\_\_3C34F16F] FOREIGN KEY ([Vat­Id­DE]) REFERENCES [dbo].[Dict­VAT] ([VATID])  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [FK\_\_­Work\_\_­Vat­Id­EN\_\_3D2915A8] FOREIGN KEY ([Vat­Id­EN]) REFERENCES [dbo].[Dict­VAT] ([VATID])  GO  ALTER TABLE [dbo].[Work] ADD CONSTRAINT [FK\_\_­Work\_\_­Work­Sub­Cat\_\_32AB8735] FOREIGN KEY ([Work­Sub­Category­ID]) REFERENCES [dbo].[Work­Subcategory] ([Work­Subcategory­ID])  GO  GRANT DELETE ON [dbo].[Work] TO [Work­Admin]  GO  GRANT INSERT ON [dbo].[Work] TO [Work­Admin]  GO  GRANT SELECT ON [dbo].[Work] TO [Work­Admin]  GO  GRANT UPDATE ON [dbo].[Work] TO [Work­Admin]  GO |

Uses

[[dbo].[Dict­VAT]](#egQAPwbN5UUu/p8DK84v8rryVr0=)

[[dbo].[Work­Subcategory]](#ilknHGekGFR953HR4FPC5TJlsYg=)

Used By

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

[[app].[Get­Works­By­Worksheet­Number]](#od/hJPCA6Zy1DIuaIBbZPH7HXn8=)

[[app].[Get­Works­By­Worksheet­Number­DE]](#MqdeeAO4sr2aQEIaJWwyTf5EOg0=)

[[app].[Get­Works­By­Worksheet­Number­EN]](#jH+I0FF5I8J767HdMlSEbNhRr9Y=)

[[dbo].[Create­Work]](#spIvNLBTV8DB2h3l//DhYkGE0wE=)

[[dbo].[Get­Works­By­Worksheet­Number]](#YR/VPZwl/NACVG2ifpMV7Kb1agg=)

|  |
| --- |
| [dbo].[Work­Category]  A korábban már bemutatott munkák kategóriákba sorolására szolgál. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Work­Category­ID | tinyint | 1 | NOT NULL | 1 - 1 |
|  | Category­Name | varchar(120) | 120 | NULL allowed |  |
|  | Category­Name­DE | varchar(120) | 120 | NULL allowed |  |
|  | Category­Name­EN | varchar(120) | 120 | NULL allowed |  |
|  | Modified­Date | datetime | 8 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Work­Cate\_\_273A10871F49060C | Work­Category­ID | True |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Work­Admin |
| Grant | INSERT | Work­Admin |
| Grant | SELECT | Work­Admin |
| Grant | UPDATE | Work­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Work­Category]  (  [Work­Category­ID] [tinyint] NOT NULL IDENTITY(1, 1),  [Category­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Category­Name­DE] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Category­Name­EN] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Modified­Date] [datetime] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work­Category] ADD CONSTRAINT [PK\_\_­Work­Cate\_\_273A10871F49060C] PRIMARY KEY CLUSTERED ([Work­Category­ID]) ON [PRIMARY]  GO  GRANT DELETE ON [dbo].[Work­Category] TO [Work­Admin]  GO  GRANT INSERT ON [dbo].[Work­Category] TO [Work­Admin]  GO  GRANT SELECT ON [dbo].[Work­Category] TO [Work­Admin]  GO  GRANT UPDATE ON [dbo].[Work­Category] TO [Work­Admin]  GO |

Used By

[[dbo].[Work­Subcategory]](#ilknHGekGFR953HR4FPC5TJlsYg=)

|  |
| --- |
| [dbo].[Worker]  A dolgozók kivezetése egy külön táblába a Customer táblából. A munkalapokhoz való kapcsolat és a jogosultsági rendszer indokolta.   Itt megkülönböztethető belsős és külsős dolgozó is, ill. a dolgozók szervízekhez vannak rendelve. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Worker­ID | smallint | 2 | NOT NULL | 1 - 1 |  |
|  | Customer­ID | int | 4 | NOT NULL |  |  |
|  | Service­Code | int | 4 | NOT NULL |  |  |
|  | is­Internal­Worker | bit | 1 | NULL allowed |  | ((1)) |
|  | is­External­Worker | bit | 1 | NULL allowed |  | ((0)) |
|  | Is­Active | bit | 1 | NOT NULL |  | ((1)) |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Worker\_\_077C88069A68ABD4 | Worker­ID | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Worker\_\_­Customer\_\_1AD3FDA4 | Customer­ID->[[dbo].[Customer].[Customer­ID]](#sqgUg8XN+0KEWblgvbAXzE14/dk=) |
| FK\_\_­Worker\_\_­Service­C\_\_1BC821DD | Service­Code->[[dbo].[Service].[Service­Code]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Work­Router |
| Grant | INSERT | Work­Router |
| Grant | SELECT | Work­Router |
| Grant | UPDATE | Work­Router |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Worker]  (  [Worker­ID] [smallint] NOT NULL IDENTITY(1, 1),  [Customer­ID] [int] NOT NULL,  [Service­Code] [int] NOT NULL,  [is­Internal­Worker] [bit] NULL CONSTRAINT [DF\_\_­Worker\_\_is­Intern\_\_5EBF139D] DEFAULT ((1)),  [is­External­Worker] [bit] NULL CONSTRAINT [DF\_\_­Worker\_\_is­Extern\_\_5FB337D6] DEFAULT ((0)),  [Is­Active] [bit] NOT NULL CONSTRAINT [DF\_\_­Worker\_\_­Is­Active\_\_60A75C0F] DEFAULT ((1))  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worker] ADD CONSTRAINT [PK\_\_­Worker\_\_077C88069A68ABD4] PRIMARY KEY CLUSTERED ([Worker­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worker] ADD CONSTRAINT [FK\_\_­Worker\_\_­Customer\_\_1AD3FDA4] FOREIGN KEY ([Customer­ID]) REFERENCES [dbo].[Customer] ([Customer­ID])  GO  ALTER TABLE [dbo].[Worker] ADD CONSTRAINT [FK\_\_­Worker\_\_­Service­C\_\_1BC821DD] FOREIGN KEY ([Service­Code]) REFERENCES [dbo].[Service] ([Service­Code])  GO  GRANT DELETE ON [dbo].[Worker] TO [Work­Router]  GO  GRANT INSERT ON [dbo].[Worker] TO [Work­Router]  GO  GRANT SELECT ON [dbo].[Worker] TO [Work­Router]  GO  GRANT UPDATE ON [dbo].[Worker] TO [Work­Router]  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

Used By

[[dbo].[Used­Component]](#Fp5psZqKIOBQo1WqViXHQ2oIlCo=)

[[dbo].[Worker­Connection]](#CLKL5lHWEW9y1JLG4KmKZgsVWeA=)

[[dbo].[Worker­Right­Connection]](#NjAzYSfzs7XawSiL/DhUVI2Zeec=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

[[app].[Get­Works­By­Worksheet­Number]](#od/hJPCA6Zy1DIuaIBbZPH7HXn8=)

[[app].[Get­Works­By­Worksheet­Number­DE]](#MqdeeAO4sr2aQEIaJWwyTf5EOg0=)

[[app].[Get­Works­By­Worksheet­Number­EN]](#jH+I0FF5I8J767HdMlSEbNhRr9Y=)

[[dbo].[Get­Used­Components­By­Worksheet­Number]](#qimwGiTPPBaIxbzyIviCohxwaTo=)

[[dbo].[Get­Works­By­Worksheet­Number]](#YR/VPZwl/NACVG2ifpMV7Kb1agg=)

[[dbo].[Get­Worksheet­Basic­Data]](#6To8nsrQn112brBtqaknscPPFpE=)

|  |
| --- |
| [dbo].[Worker­Connection]  Ez a tábla a munkák kiosztásához lett beépítve. Egy adott magasabb beosztásban lévő személy kioszthatja a munkát egy, vagy akár több dolgozónak is. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Worker­Connection­ID | int | 4 | NOT NULL | 1 - 1 |
|  | Principal­Worker­ID | smallint | 2 | NOT NULL |  |
|  | Worker­ID | smallint | 2 | NOT NULL |  |
|  | Worksheet­ID | int | 4 | NOT NULL |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Worker­Co\_\_2B61AC383D5BEC07 | Worker­Connection­ID | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Worker­Con\_\_­Princ\_\_2EDAF651 | Principal­Worker­ID->[[dbo].[Worker].[Worker­ID]](#S6zwzENq3CD8ChCBF67bFgrMO2g=) |
| FK\_\_­Worker­Con\_\_­Worke\_\_1EA48E88 | Worker­ID->[[dbo].[Worker].[Worker­ID]](#S6zwzENq3CD8ChCBF67bFgrMO2g=) |
| FK\_\_­Worker­Con\_\_­Works\_\_22751F6C | Worksheet­ID->[[dbo].[Worksheet].[Worksheet­ID]](#PcevR2WyulypyoLVEGmG016P3k8=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Work­Router |
| Grant | INSERT | Work­Router |
| Grant | SELECT | Work­Router |
| Grant | UPDATE | Work­Router |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Worker­Connection]  (  [Worker­Connection­ID] [int] NOT NULL IDENTITY(1, 1),  [Principal­Worker­ID] [smallint] NOT NULL,  [Worker­ID] [smallint] NOT NULL,  [Worksheet­ID] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worker­Connection] ADD CONSTRAINT [PK\_\_­Worker­Co\_\_2B61AC383D5BEC07] PRIMARY KEY CLUSTERED ([Worker­Connection­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worker­Connection] ADD CONSTRAINT [FK\_\_­Worker­Con\_\_­Princ\_\_2EDAF651] FOREIGN KEY ([Principal­Worker­ID]) REFERENCES [dbo].[Worker] ([Worker­ID])  GO  ALTER TABLE [dbo].[Worker­Connection] ADD CONSTRAINT [FK\_\_­Worker­Con\_\_­Worke\_\_1EA48E88] FOREIGN KEY ([Worker­ID]) REFERENCES [dbo].[Worker] ([Worker­ID])  GO  ALTER TABLE [dbo].[Worker­Connection] ADD CONSTRAINT [FK\_\_­Worker­Con\_\_­Works\_\_22751F6C] FOREIGN KEY ([Worksheet­ID]) REFERENCES [dbo].[Worksheet] ([Worksheet­ID])  GO  GRANT DELETE ON [dbo].[Worker­Connection] TO [Work­Router]  GO  GRANT INSERT ON [dbo].[Worker­Connection] TO [Work­Router]  GO  GRANT SELECT ON [dbo].[Worker­Connection] TO [Work­Router]  GO  GRANT UPDATE ON [dbo].[Worker­Connection] TO [Work­Router]  GO |

Uses

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| [dbo].[Worker­Right]  Ez a tábla rögzíti, hogy melyik dolgozónak milyen jogosultságai vannak az adott szervízben, vagy telephelyen. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Right­ID | smallint | 2 | NOT NULL | 1 - 1 |  |
|  | Service­Code | int | 4 | NULL allowed |  |  |
|  | Site­Code | smallint | 2 | NULL allowed |  |  |
|  | ISGlobal­Admin | bit | 1 | NULL allowed |  | ((0)) |
|  | Is­Admin | bit | 1 | NULL allowed |  | ((0)) |
|  | Is­Reader | bit | 1 | NULL allowed |  | ((0)) |
|  | Is­Writer | bit | 1 | NULL allowed |  | ((0)) |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Worker­Ri\_\_465E8876ABEC1004 | Right­ID | True |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Work­Router |
| Grant | INSERT | Work­Router |
| Grant | SELECT | Work­Router |
| Grant | UPDATE | Work­Router |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Worker­Right]  (  [Right­ID] [smallint] NOT NULL IDENTITY(1, 1),  [Service­Code] [int] NULL,  [Site­Code] [smallint] NULL,  [ISGlobal­Admin] [bit] NULL CONSTRAINT [DF\_\_­Worker­Rig\_\_­ISGlo\_\_656C112C] DEFAULT ((0)),  [Is­Admin] [bit] NULL CONSTRAINT [DF\_\_­Worker­Rig\_\_­Is­Adm\_\_66603565] DEFAULT ((0)),  [Is­Reader] [bit] NULL CONSTRAINT [DF\_\_­Worker­Rig\_\_­Is­Rea\_\_6754599E] DEFAULT ((0)),  [Is­Writer] [bit] NULL CONSTRAINT [DF\_\_­Worker­Rig\_\_­Is­Wri\_\_68487DD7] DEFAULT ((0))  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worker­Right] ADD CONSTRAINT [PK\_\_­Worker­Ri\_\_465E8876ABEC1004] PRIMARY KEY CLUSTERED ([Right­ID]) ON [PRIMARY]  GO  GRANT DELETE ON [dbo].[Worker­Right] TO [Work­Router]  GO  GRANT INSERT ON [dbo].[Worker­Right] TO [Work­Router]  GO  GRANT SELECT ON [dbo].[Worker­Right] TO [Work­Router]  GO  GRANT UPDATE ON [dbo].[Worker­Right] TO [Work­Router]  GO |

Used By

[[dbo].[Worker­Right­Connection]](#NjAzYSfzs7XawSiL/DhUVI2Zeec=)

|  |
| --- |
| [dbo].[Worker­Right­Connection]  A korábban már bemutatott dolgozók tábla jogosultságához kapcsolódik.   Ez egy kapcsoló tábla a dolgozót köti össze a WorkerRight táblával, hiszen egy dolgozónak lehet akár több különböző szervízben is eltérő jogosultsága is. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Row Count (~) | 2 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Worker­Right­Connection­ID | int | 4 | NOT NULL | 1 - 1 |
|  | Worker­ID | smallint | 2 | NOT NULL |  |
|  | Right­ID | smallint | 2 | NOT NULL |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Worker­Ri\_\_­D1C45C16F8120288 | Worker­Right­Connection­ID | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Worker­Rig\_\_­Worke\_\_2BFE89A6 | Worker­ID->[[dbo].[Worker].[Worker­ID]](#S6zwzENq3CD8ChCBF67bFgrMO2g=) |
| FK\_\_­Worker­Rig\_\_­Right\_\_2B0A656D | Right­ID->[[dbo].[Worker­Right].[Right­ID]](#yuWN/Wqo5iCWHUtIQx8GDX83XTY=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Work­Router |
| Grant | INSERT | Work­Router |
| Grant | SELECT | Work­Router |
| Grant | UPDATE | Work­Router |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Worker­Right­Connection]  (  [Worker­Right­Connection­ID] [int] NOT NULL IDENTITY(1, 1),  [Worker­ID] [smallint] NOT NULL,  [Right­ID] [smallint] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worker­Right­Connection] ADD CONSTRAINT [PK\_\_­Worker­Ri\_\_­D1C45C16F8120288] PRIMARY KEY CLUSTERED ([Worker­Right­Connection­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worker­Right­Connection] ADD CONSTRAINT [FK\_\_­Worker­Rig\_\_­Worke\_\_2BFE89A6] FOREIGN KEY ([Worker­ID]) REFERENCES [dbo].[Worker] ([Worker­ID])  GO  ALTER TABLE [dbo].[Worker­Right­Connection] ADD CONSTRAINT [FK\_\_­Worker­Rig\_\_­Right\_\_2B0A656D] FOREIGN KEY ([Right­ID]) REFERENCES [dbo].[Worker­Right] ([Right­ID])  GO  GRANT DELETE ON [dbo].[Worker­Right­Connection] TO [Work­Router]  GO  GRANT INSERT ON [dbo].[Worker­Right­Connection] TO [Work­Router]  GO  GRANT SELECT ON [dbo].[Worker­Right­Connection] TO [Work­Router]  GO  GRANT UPDATE ON [dbo].[Worker­Right­Connection] TO [Work­Router]  GO |

Uses

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worker­Right]](#yuWN/Wqo5iCWHUtIQx8GDX83XTY=)

|  |
| --- |
| [dbo].[Worksheet]  Ez a központi tábla tárolja a munkalapokat. Az optimalizálás miatt a munkalap int típusú lett, viszont tárolásra kerül egy munkalapszám is, az adott ország alapján.  PL. WS-HU001111, WS-AT002222  Melyik ügyfél, melyik szervízben, milyen eszközt adott le javításra, mi a sorozatszáma, mikor vettük át, ki vette át. Külső munka-e, ha igen, akkor annak a leírása. Számlázva van-e. Ill. Ehhez kapcsolódik a WorksheetDetail is, ahol a részletek is tárolva vannak. Melyik dolgozó mikor mit csinált. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 104822 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:52 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity | Default |
|  | Worksheet­ID | int | 4 | NOT NULL | 1 - 1 |  |
|  | Worksheet­Recorder­ID | smallint | 2 | NULL allowed |  |  |
|  | Customer­ID | int | 4 | NULL allowed |  |  |
|  | Site­Code | smallint | 2 | NULL allowed |  |  |
|  | Worksheet­Number | varchar(20) | 20 | NULL allowed |  |  |
|  | Is­External | bit | 1 | NULL allowed |  | ((0)) |
|  | External­Job­Description | varchar(120) | 120 | NULL allowed |  |  |
|  | Time­Of­Issue | datetime | 8 | NOT NULL |  | (sysdatetime()) |
|  | Device­Name | varchar(120) | 120 | NULL allowed |  |  |
|  | Device­Serial­Nummber | varchar(100) | 100 | NULL allowed |  |  |
|  | Job­Description | varchar(120) | 120 | NULL allowed |  |  |
|  | Service­Code | int | 4 | NULL allowed |  |  |
|  | Is­Billed | bit | 1 | NULL allowed |  | ((0)) |
|  | Is­Locked | bit | 1 | NULL allowed |  | ((0)) |
|  | Status­Code | tinyint | 1 | NULL allowed |  | ((0)) |
|  | Time­Of­Completion | datetime | 8 | NULL allowed |  | (NULL) |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Workshee\_\_58C29233B85BB2CA | Worksheet­ID | True |
|  | UQ\_\_­Workshee\_\_9D998C8F1E4B6BA2 | Worksheet­Number | True |

Triggers

|  |  |  |  |
| --- | --- | --- | --- |
| Name | ANSI Nulls On | Quoted Identifier On | On |
| Bill­Base­Data | True | True | After Insert |

Check Constraints

|  |  |  |
| --- | --- | --- |
| Name | On Column | Constraint |
| CK\_­Worksheet\_­Issue­Date | Time­Of­Completion | ([Time­Of­Completion]>=sysdatetime()) |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Worksheet\_\_­Custo\_\_1F98B2C1 | Customer­ID->[[dbo].[Customer].[Customer­ID]](#sqgUg8XN+0KEWblgvbAXzE14/dk=) |
| FK\_\_­Worksheet\_\_­Statu\_\_3493CFA7 | Status­Code->[[dbo].[Dict­Worksheet­Status].[Status­Code]](#/xisZopDz6pvBMVa8l9Xm6Hu3cQ=) |
| FK\_\_­Worksheet\_\_­Servi\_\_19DFD96B | Service­Code->[[dbo].[Service].[Service­Code]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=) |
| FK\_\_­Worksheet\_\_­Site­C\_\_3587F3E0 | Site­Code->[[dbo].[Site].[Site­Code]](#bHopcz2PUneYaZeJ3HQESMTu8CU=) |
| FK\_\_­Worksheet\_\_­Works\_\_30C33EC3 | Worksheet­Recorder­ID->[[dbo].[Worker].[Worker­ID]](#S6zwzENq3CD8ChCBF67bFgrMO2g=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Worksheet]  (  [Worksheet­ID] [int] NOT NULL IDENTITY(1, 1),  [Worksheet­Recorder­ID] [smallint] NULL,  [Customer­ID] [int] NULL,  [Site­Code] [smallint] NULL,  [Worksheet­Number] [varchar] (20) COLLATE Hungarian\_­CI\_­AS NULL,  [Is­External] [bit] NULL CONSTRAINT [DF\_\_­Worksheet\_\_­Is­Ext\_\_5441852A] DEFAULT ((0)),  [External­Job­Description] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Time­Of­Issue] [datetime] NOT NULL CONSTRAINT [DF\_\_­Worksheet\_\_­Time­O\_\_5535A963] DEFAULT (sysdatetime()),  [Device­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Device­Serial­Nummber] [varchar] (100) COLLATE Hungarian\_­CI\_­AS NULL,  [Job­Description] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Service­Code] [int] NULL,  [Is­Billed] [bit] NULL CONSTRAINT [DF\_\_­Worksheet\_\_­Is­Bil\_\_5629CD9C] DEFAULT ((0)),  [Is­Locked] [bit] NULL CONSTRAINT [DF\_\_­Worksheet\_\_­Is­Loc\_\_571DF1D5] DEFAULT ((0)),  [Status­Code] [tinyint] NULL CONSTRAINT [DF\_\_­Worksheet\_\_­Statu\_\_5812160E] DEFAULT ((0)),  [Time­Of­Completion] [datetime] NULL CONSTRAINT [DF\_\_­Worksheet\_\_­Time­O\_\_59063A47] DEFAULT (NULL)  ) ON [PRIMARY]  GO  CREATE TRIGGER [dbo].[Bill­Base­Data]  ON [dbo].[Worksheet]  AFTER INSERT  AS  DECLARE @Last­Worksheet­ID int  SET @Last­Worksheet­ID = (SELECT MAX(Worksheet­Id) FROM Worksheet)  INSERT INTO Bill(Worksheet­ID,Sent­Status) VALUES(@Last­Worksheet­ID,0)  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [CK\_­Worksheet\_­Issue­Date] CHECK (([Time­Of­Completion]>=sysdatetime()))  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [PK\_\_­Workshee\_\_58C29233B85BB2CA] PRIMARY KEY CLUSTERED ([Worksheet­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [UQ\_\_­Workshee\_\_9D998C8F1E4B6BA2] UNIQUE NONCLUSTERED ([Worksheet­Number]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Custo\_\_1F98B2C1] FOREIGN KEY ([Customer­ID]) REFERENCES [dbo].[Customer] ([Customer­ID])  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Statu\_\_3493CFA7] FOREIGN KEY ([Status­Code]) REFERENCES [dbo].[Dict­Worksheet­Status] ([Status­Code])  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Servi\_\_19DFD96B] FOREIGN KEY ([Service­Code]) REFERENCES [dbo].[Service] ([Service­Code])  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Site­C\_\_3587F3E0] FOREIGN KEY ([Site­Code]) REFERENCES [dbo].[Site] ([Site­Code])  GO  ALTER TABLE [dbo].[Worksheet] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Works\_\_30C33EC3] FOREIGN KEY ([Worksheet­Recorder­ID]) REFERENCES [dbo].[Worker] ([Worker­ID])  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Dict­Worksheet­Status]](#/xisZopDz6pvBMVa8l9Xm6Hu3cQ=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Site]](#bHopcz2PUneYaZeJ3HQESMTu8CU=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

Used By

[[dbo].[Bill]](#KnUF5Xzx0ZRnkY1sPBsx8bMprbg=)

[[dbo].[Used­Component]](#Fp5psZqKIOBQo1WqViXHQ2oIlCo=)

[[dbo].[Worker­Connection]](#CLKL5lHWEW9y1JLG4KmKZgsVWeA=)

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

[[dbo].[v­Stat­Customer­Buyer­Card]](#GHZ24O/VdioxXVnh4WpqUD+xv0I=)

[[dbo].[v­Stat­Worksheet]](#7oQiVpqtemysrSmF7yQYDQujcOU=)

[[app].[Get­Works­By­Worksheet­Number]](#od/hJPCA6Zy1DIuaIBbZPH7HXn8=)

[[app].[Get­Works­By­Worksheet­Number­DE]](#MqdeeAO4sr2aQEIaJWwyTf5EOg0=)

[[app].[Get­Works­By­Worksheet­Number­EN]](#jH+I0FF5I8J767HdMlSEbNhRr9Y=)

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

[[dbo].[Create­Worksheet]](#cI1t1pfxdHrLVyeWeM7BxcrGOOk=)

[[dbo].[Get­Used­Components­By­Worksheet­Number]](#qimwGiTPPBaIxbzyIviCohxwaTo=)

[[dbo].[Get­Works­By­Worksheet­Number]](#YR/VPZwl/NACVG2ifpMV7Kb1agg=)

[[dbo].[Get­Worksheet­Basic­Data]](#6To8nsrQn112brBtqaknscPPFpE=)

[[dbo].[Generate­Worksheet­Number]](#BXJhxNh8L4CuC9F3Iad7uE+YLVU=)

|  |
| --- |
| [dbo].[Worksheet­Detail]  A korábban bemutatott munkalap táblához kapcsoló munkavégzéseket tárolja. Nyilván egy munkalaphoz tartozhat több dolgozó, és több munka is. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 157501 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 21:27:26 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Worksheet­Detail­ID | int | 4 | NOT NULL | 1 - 1 |
|  | Worksheet­ID | int | 4 | NOT NULL |  |
|  | Worker­ID | smallint | 2 | NOT NULL |  |
|  | Work­ID | smallint | 2 | NULL allowed |  |
|  | Quantity | tinyint | 1 | NOT NULL |  |
|  | Worker­Description | varchar(120) | 120 | NULL allowed |  |
|  | Completion­Time | datetime | 8 | NULL allowed |  |

Indexes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Key Columns | Included Columns | Unique |
|  | PK\_\_­Workshee\_\_178694B2AF0561B1 | Worksheet­Detail­ID |  | True |
|  | IX\_­Worksheet­ID | Worksheet­ID | Worker­ID, Work­ID, Quantity, Worker­Description |  |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Worksheet\_\_­Work­I\_\_367C1819 | Work­ID->[[dbo].[Work].[Work­ID]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=) |
| FK\_\_­Worksheet\_\_­Worke\_\_339FAB6E | Worker­ID->[[dbo].[Worker].[Worker­ID]](#S6zwzENq3CD8ChCBF67bFgrMO2g=) |
| FK\_\_­Worksheet\_\_­Works\_\_2CF2ADDF | Worksheet­ID->[[dbo].[Worksheet].[Worksheet­ID]](#PcevR2WyulypyoLVEGmG016P3k8=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Worksheet­Detail]  (  [Worksheet­Detail­ID] [int] NOT NULL IDENTITY(1, 1),  [Worksheet­ID] [int] NOT NULL,  [Worker­ID] [smallint] NOT NULL,  [Work­ID] [smallint] NULL,  [Quantity] [tinyint] NOT NULL,  [Worker­Description] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Completion­Time] [datetime] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worksheet­Detail] ADD CONSTRAINT [PK\_\_­Workshee\_\_178694B2AF0561B1] PRIMARY KEY CLUSTERED ([Worksheet­Detail­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­Worksheet­ID] ON [dbo].[Worksheet­Detail] ([Worksheet­ID]) INCLUDE ([Worker­ID], [Work­ID], [Quantity], [Worker­Description]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Worksheet­Detail] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Work­I\_\_367C1819] FOREIGN KEY ([Work­ID]) REFERENCES [dbo].[Work] ([Work­ID])  GO  ALTER TABLE [dbo].[Worksheet­Detail] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Worke\_\_339FAB6E] FOREIGN KEY ([Worker­ID]) REFERENCES [dbo].[Worker] ([Worker­ID])  GO  ALTER TABLE [dbo].[Worksheet­Detail] ADD CONSTRAINT [FK\_\_­Worksheet\_\_­Works\_\_2CF2ADDF] FOREIGN KEY ([Worksheet­ID]) REFERENCES [dbo].[Worksheet] ([Worksheet­ID])  GO |

Uses

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

Used By

[[app].[Get­Works­By­Worksheet­Number]](#od/hJPCA6Zy1DIuaIBbZPH7HXn8=)

[[app].[Get­Works­By­Worksheet­Number­DE]](#MqdeeAO4sr2aQEIaJWwyTf5EOg0=)

[[app].[Get­Works­By­Worksheet­Number­EN]](#jH+I0FF5I8J767HdMlSEbNhRr9Y=)

[[dbo].[Add­Random­Work­To­Worksheet]](#T9XCk9F1urmAEcRPa8E/RVk3Ous=)

[[dbo].[Create­Work­To­Worksheet]](#5FH1dsib6qrwgPCDZjuYoCnHZdk=)

[[dbo].[Get­Works­By­Worksheet­Number]](#YR/VPZwl/NACVG2ifpMV7Kb1agg=)

|  |
| --- |
| [dbo].[Work­Subcategory]  Az adott munka kategorizálható alkategóriákra is. Országos szinten eltérő megnevezés is megadható. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| Row Count (~) | 4 |
| Created | 20:00:48 2023. május 5., péntek |
| Last Modified | 20:00:48 2023. május 5., péntek |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Identity |
|  | Work­Subcategory­ID | tinyint | 1 | NOT NULL | 1 - 1 |
|  | Work­Category­ID | tinyint | 1 | NULL allowed |  |
|  | Subcategory­Name | varchar(120) | 120 | NULL allowed |  |
|  | Subcategory­Name­DE | varchar(120) | 120 | NULL allowed |  |
|  | Subcategory­Name­EN | varchar(120) | 120 | NULL allowed |  |
|  | Modified­Date | datetime | 8 | NULL allowed |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_\_­Work­Subc\_\_­CEBC94D7A49D9307 | Work­Subcategory­ID | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_\_­Work­Subca\_\_­Work­C\_\_31B762FC | Work­Category­ID->[[dbo].[Work­Category].[Work­Category­ID]](#97NP0eifGQ5C3GGDIPMYnRACrp0=) |

Permissions

|  |  |  |
| --- | --- | --- |
| Type | Action | Owning Principal |
| Grant | DELETE | Work­Admin |
| Grant | INSERT | Work­Admin |
| Grant | SELECT | Work­Admin |
| Grant | UPDATE | Work­Admin |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Work­Subcategory]  (  [Work­Subcategory­ID] [tinyint] NOT NULL IDENTITY(1, 1),  [Work­Category­ID] [tinyint] NULL,  [Subcategory­Name] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Subcategory­Name­DE] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Subcategory­Name­EN] [varchar] (120) COLLATE Hungarian\_­CI\_­AS NULL,  [Modified­Date] [datetime] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work­Subcategory] ADD CONSTRAINT [PK\_\_­Work­Subc\_\_­CEBC94D7A49D9307] PRIMARY KEY CLUSTERED ([Work­Subcategory­ID]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Work­Subcategory] ADD CONSTRAINT [FK\_\_­Work­Subca\_\_­Work­C\_\_31B762FC] FOREIGN KEY ([Work­Category­ID]) REFERENCES [dbo].[Work­Category] ([Work­Category­ID])  GO  GRANT DELETE ON [dbo].[Work­Subcategory] TO [Work­Admin]  GO  GRANT INSERT ON [dbo].[Work­Subcategory] TO [Work­Admin]  GO  GRANT SELECT ON [dbo].[Work­Subcategory] TO [Work­Admin]  GO  GRANT UPDATE ON [dbo].[Work­Subcategory] TO [Work­Admin]  GO |

Uses

[[dbo].[Work­Category]](#97NP0eifGQ5C3GGDIPMYnRACrp0=)

Used By

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

|  |
| --- |
| Views  A view esetében megkülönböztetek statisztikai, és segéd view elemeket is.  A tényleges, statisztikai view elemek vStat-al kezdődnek.  A többi igazából segéd célból került beépítésre a véletlenszerű adatfeltöltéshez, hogy használható legyen tárolt eljáráshoz is.   Alapból a nem determinisztikus függvények nem használhatók tárolt eljárásban, viszont egy View használata után már igen, ezért kerültek ezek beépítésre. |

Objects

|  |
| --- |
| Name |
| [dbo.New­ID](#t1nF5vvxJIaGxjuU99qm8vdmmS8=) |
| [dbo.v­Rand](#wW/PB7icRqf3SjRgcbQBDhN5YCY=) |
| [dbo.v­Random­Device­Type](#Dii8wyaxR6fJezNu8drrJBzOl50=) |
| [dbo.v­Random­External­Job­Description](#IKhr/3e6hWfEczic97pDmMg2cHw=) |
| [dbo.v­Random­Job­Description](#XCOon8ACyg61m/3azR19MFVAwzs=) |
| [dbo.v­Random­Mail­Provider](#9rGa+dSzZCmaX7ltzasDBZLLfbM=) |
| [dbo.v­Random­Street](#2MgXUt31nRjS2ulkoYwxbpRsct0=) |
| [dbo.v­Random­Worker­Description](#r4DwkQ3z4+RccbS5ATgZSTAn6eM=) |
| [dbo.v­Stat­Customer­Buyer­Card](#GHZ24O/VdioxXVnh4WpqUD+xv0I=) |
| [dbo.v­Stat­Customer­City](#7Kmd33CgK5i8xtTuUyTgvu97LOs=) |
| [dbo.v­Stat­Customer­County](#SJODI/bLnmwNjQew43Om3z2U2eY=) |
| [dbo.v­Stat­Worksheet](#7oQiVpqtemysrSmF7yQYDQujcOU=) |

|  |
| --- |
| [dbo].[New­ID]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:21 2023. május 5., péntek |
| Last Modified | 20:01:21 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| New­ID | uniqueidentifier | 16 |

SQL Script

|  |
| --- |
| -- View for New­ID  CREATE VIEW [dbo].[New­ID]  AS  SELECT NEWID() AS [New­ID]  GO |

Used By

[[dbo].[Generate­Random­Phone­Number]](#2wM79UvLlVjNojSXSfsHqmcLD20=)

|  |
| --- |
| [dbo].[v­Rand]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| r­Rand | float | 8 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Rand]  AS  SELECT rand() AS r­Rand  GO |

Used By

[[dbo].[Return­Rand]](#Lhoph/10zYblxv0TJBzpJG9TXWc=)

|  |
| --- |
| [dbo].[v­Random­Device­Type]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| value | varchar(82) | 82 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Random­Device­Type]  AS SELECT TOP 1 value FROM STRING\_­SPLIT('Asus PC,Lenovo PC,Acer Nitro5 Notebook,Asus ROG Zephyrus G15,Asus ROG Zephyrus G17', ',') order by newid()  -- SELECT \* FROM v­Random­Device­Type  GO |

Used By

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

|  |
| --- |
| [dbo].[v­Random­External­Job­Description]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| value | varchar(34) | 34 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Random­External­Job­Description]  AS SELECT TOP 1 value FROM STRING\_­SPLIT('Internet bekötés,Fejállomás építés', ',') order by newid()  -- SELECT \* FROM v­Random­External­Job­Description  GO |

Used By

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

|  |
| --- |
| [dbo].[v­Random­Job­Description]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| value | varchar(124) | 124 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Random­Job­Description]  AS SELECT TOP 1 value FROM STRING\_­SPLIT('Nem indul a windows 10,Nem indul a windows 11,Túl lassú a gép,Office telepítést kértek,Linux telepítést kértek adatmentéssel', ',') order by newid()  -- SELECT \* FROM v­Random­Job­Description  GO |

Used By

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

|  |
| --- |
| [dbo].[v­Random­Mail­Provider]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| value | varchar(96) | 96 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Random­Mail­Provider]  AS SELECT TOP 1 value FROM STRING\_­SPLIT('@gmail.com,@hotmail.com,@citromail.hu,@freemail.hu,@protonmail.com,@outlook.com,@onmicrosoft.com', ',') order by newid()  -- SELECT \* FROM v­Random­Mail­Provider  -- Creating Usable random function  GO |

Used By

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

|  |
| --- |
| [dbo].[v­Random­Street]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| value | varchar(94) | 94 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Random­Street]  AS SELECT TOP 1 value FROM STRING\_­SPLIT('Kossuth u.,Petőfi u.,Arany János u.,Petőfi u.,Rákóczi u.,József Attila u.,Béke u.,Szabadság u.', ',') order by newid()  -- SELECT \* FROM v­Random­Street  GO |

Used By

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

|  |
| --- |
| [dbo].[v­Random­Worker­Description]  Segéd view a tárolt eljárásokhoz, a véletlenszerű adatfeltöltéshez. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| value | varchar(62) | 62 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Random­Worker­Description]  AS SELECT TOP 1 value FROM STRING\_­SPLIT('Valami megjegyzés .,Valami megjegyzés ..,Valami megjegyzés ...', ',') order by newid()  -- SELECT \* FROM v­Random­Worker­Description  GO |

Used By

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

|  |
| --- |
| [dbo].[v­Stat­Customer­Buyer­Card]  Ez a view visszaadja az ügyfelek adatait, csoportosítva, hogy hány munkalap tartozik hozzájuk, és hogy rendelkeznek-e vevő kártyával. Pl. Tudunk nekik e-mailben javasolni kedvezményért. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| Customer­ID | int | 4 |
| Custom­Name | varchar(61) | 61 |
| Customer­Address | varchar(164) | 164 |
| Email | varchar(90) | 90 |
| Phone­Number | varchar(20) | 20 |
| Worksheets | int | 4 |
| Buyer­Card | bit | 1 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Stat­Customer­Buyer­Card]  AS  SELECT W.Customer­ID, CONCAT (C.Last­Name, ' ', C.First­Name) AS Custom­Name,CONCAT (A.Postal­Code, ' ,', A.City­Name, ' ,', A.Address­Line1) AS Customer­Address, C.Email,C.Phone­Number, Count(Worksheet­ID) AS Worksheets,Has­Buyer­Card AS Buyer­Card FROM Worksheet W  INNER JOIN Customer C ON C.Customer­ID = W.Customer­ID  INNER JOIN Service S ON S.Service­Code = W.Service­Code  INNER JOIN Address A ON A.Customer­ID = W.Customer­ID  GROUP BY W.Customer­ID,CONCAT (C.Last­Name, ' ', C.First­Name), A.Postal­Code,A.City­Name,A.Address­Line1, C.Email,C.Phone­Number, C.Has­Buyer­Card  -- SELECT \* FROM v­Stat­Customer­Buyer­Card ORDER BY 6 DESC  -- Stat Buyer­Card (Customer Number / City)  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| [dbo].[v­Stat­Customer­City]  Ez egy statisztikai view, amely visszaadja, hogy melyik városban hány ügyféllel rendelkezünk. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| City­Name | varchar(50) | 50 |
| Customer­Number | int | 4 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Stat­Customer­City]  AS  SELECT PC.City­Name, COUNT(C.Customer­ID) AS Customer­Number FROM Postal­Code PC  INNER JOIN Address A ON A.Postal­Code = PC.Postal­Code  INNER JOIN Customer C ON C.Customer­ID = A.Customer­ID  GROUP BY PC.City­Name  -- SELECT \* FROM v­Stat­Customer­City ORDER BY 2 DESC  -- Stat Buyer­Card (Customer Number / County)  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Postal­Code]](#HIxLf0IfiHYccH3pAleEH0WUDcg=)

|  |
| --- |
| [dbo].[v­Stat­Customer­County]  Ez a view pedig megyénként csoportosítva jeleníti meg az ügyfelek számát. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| County­Name | varchar(50) | 50 |
| Customer­Number | int | 4 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Stat­Customer­County]  AS  SELECT DC.County­Name, COUNT(DISTINCT(C.Customer­ID)) AS Customer­Number FROM Postal­Code PC  INNER JOIN Address A ON A.Postal­Code = PC.Postal­Code  INNER JOIN Customer C ON C.Customer­ID = A.Customer­ID  INNER JOIN Dict­County DC ON DC.County­ID = PC.County­ID  GROUP BY DC.County­Name  -- SELECT \* FROM v­Stat­Customer­County ORDER BY 2 DESC  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Dict­County]](#xwwli2e/CiSuHqOWj0qJReuxcCs=)

[[dbo].[Postal­Code]](#HIxLf0IfiHYccH3pAleEH0WUDcg=)

|  |
| --- |
| [dbo].[v­Stat­Worksheet]  Ez a view Szervízenként, és évenként csoportosítja az elvégzett munkák számát. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Hungarian\_­CI\_­AS |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 20:01:20 2023. május 5., péntek |
| Last Modified | 20:01:20 2023. május 5., péntek |

Columns

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| Service­Name | varchar(100) | 100 |
| 2015 | int | 4 |
| 2016 | int | 4 |
| 2017 | int | 4 |
| 2018 | int | 4 |
| 2019 | int | 4 |
| 2020 | int | 4 |
| 2021 | int | 4 |
| 2022 | int | 4 |
| 2023 | int | 4 |

SQL Script

|  |
| --- |
| CREATE VIEW [dbo].[v­Stat­Worksheet]  AS  SELECT \*  FROM (  SELECT S.Service­Name, YEAR(W.Time­Of­Issue) AS Year, COUNT(Worksheet­ID) AS All­Worksheet  FROM Worksheet W  INNER JOIN Service S ON S.Service­Code = W.Service­Code  WHERE YEAR(W.Time­Of­Issue) BETWEEN 2015 AND 2023  GROUP BY S.Service­Code, S.Service­Name, YEAR(W.Time­Of­Issue)  ) AS Data­Source  PIVOT (  SUM(All­Worksheet)  FOR Year IN ([2015],[2016],[2017],[2018],[2019], [2020], [2021], [2022], [2023])  ) AS Worksheet­Stat;  -- SELECT \* FROM v­Stat­Worksheet  -- Stat Buyer­Card (Customer, Worksheet Number)  GO |

Uses

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| Stored Procedures  Itt több eltérő funkcionalitású tárolt eljárás található. Adatgeneráláshoz, importáláshoz, lekérdezéshez, ill. LDAP (Active Directory) szinkronizációhoz is.  Az App sémában lévők azt a célt szolgálják, hogy egy kliensprogram számára semmilyen más jogot nem biztosítok, csak az adott sémában lévő tárolt eljárások futtatását. |

Objects

|  |
| --- |
| Name |
| [app.Get­Works­By­Worksheet­Number](#od/hJPCA6Zy1DIuaIBbZPH7HXn8=) |
| [app.Get­Works­By­Worksheet­Number­DE](#MqdeeAO4sr2aQEIaJWwyTf5EOg0=) |
| [app.Get­Works­By­Worksheet­Number­EN](#jH+I0FF5I8J767HdMlSEbNhRr9Y=) |
| [dbo.Add­Random­Work­To­Worksheet](#T9XCk9F1urmAEcRPa8E/RVk3Ous=) |
| [dbo.Create­Customer](#/ZNioM7g8C2hN3gndly3y1tGzvg=) |
| [dbo.Create­Random­Customer](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=) |
| [dbo.Create­Random­Worksheet](#ShV3vYjMRb257WSanLX+Ft55Y8o=) |
| [dbo.Create­Work](#spIvNLBTV8DB2h3l//DhYkGE0wE=) |
| [dbo.Create­Worksheet](#cI1t1pfxdHrLVyeWeM7BxcrGOOk=) |
| [dbo.Create­Work­To­Worksheet](#5FH1dsib6qrwgPCDZjuYoCnHZdk=) |
| [dbo.Csv­Import](#lfDhF+lUAYepxMsAF+wCdJ1w/M0=) |
| [dbo.Get­Used­Components­By­Worksheet­Number](#qimwGiTPPBaIxbzyIviCohxwaTo=) |
| [dbo.Get­Works­By­Worksheet­Number](#YR/VPZwl/NACVG2ifpMV7Kb1agg=) |
| [dbo.Get­Worksheet­Basic­Data](#6To8nsrQn112brBtqaknscPPFpE=) |
| [dbo.LDAPImport](#8zn9gqiQp5QxWrLHJO2z4BUbbWk=) |

|  |
| --- |
| [app].[Get­Works­By­Worksheet­Number]  Ez a tárolt eljárás egy adott munkalapszám alapján adja vissza az elvégzett munkákat. A SubTotal számításánál figyelembe van véve, hogy óradíja, vagy fix áras a szolgáltatás.  Pl. EXEC App.GetWorksByWorksheetNumber @Worksheetnumber='WS-HU000001' |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheetnumber | varchar(11) | 11 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [app].[Get­Works­By­Worksheet­Number]  @Worksheetnumber varchar(11)  AS  SELECT  W.Worksheet­Number,CONCAT (C.Last­Name + ' ', C.Middle­Name + ' ' + C.First­Name) AS Worker,  WO.Work­Name AS Work­Name, IIF(WO.Hourly­Work­Price IS NULL,WO.Price,WO.Hourly­Work­Price) AS Price,WD.Quantity,  CASE  WHEN  WO.i­SHourly­Work = 0 THEN WO.Price  ELSE WO.Hourly­Work­Price \* WD.Quantity  END  AS Sub­Total, WD.Worker­Description  FROM Worksheet W  LEFT JOIN Worksheet­Detail WD ON WD.Worksheet­ID = W.Worksheet­ID  LEFT JOIN Work WO ON WO.Work­ID = WD.Work­ID  LEFT JOIN Worker WR ON WR.Worker­ID = WD.Worker­ID  LEFT JOIN Customer C ON C.Customer­ID = WR.Customer­ID  WHERE Worksheet­Number = @Worksheetnumber  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

[app](#CFWsQUdQIvVdO/+z3z+x8xk1IDI=)

|  |
| --- |
| [app].[Get­Works­By­Worksheet­Number­DE]  Ez a tárolt eljárás a korábbival egyenértékű, annyi változtatással, hogy az adott országhoz tartozó árazást, és munka megnevezést használja.  Pl. EXEC App.GetWorksByWorksheetNumberDE @Worksheetnumber='WS-HU000001' |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheetnumber | varchar(11) | 11 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [app].[Get­Works­By­Worksheet­Number­DE]  @Worksheetnumber varchar(11)  AS  SELECT  W.Worksheet­Number,CONCAT (C.Last­Name + ' ', C.Middle­Name + ' ' + C.First­Name) AS Worker,  WO.Work­Name­DE AS Work­Name, IIF(WO.Hourly­Work­Price­DE IS NULL,WO.Price­DE,WO.Hourly­Work­Price­EN) AS Price,WD.Quantity,  CASE  WHEN  WO.i­SHourly­Work = 0 THEN WO.Price­DE  ELSE WO.Hourly­Work­Price­DE \* WD.Quantity  END  AS Sub­Total, WD.Worker­Description  FROM Worksheet W  LEFT JOIN Worksheet­Detail WD ON WD.Worksheet­ID = W.Worksheet­ID  LEFT JOIN Work WO ON WO.Work­ID = WD.Work­ID  LEFT JOIN Worker WR ON WR.Worker­ID = WD.Worker­ID  LEFT JOIN Customer C ON C.Customer­ID = WR.Customer­ID  WHERE Worksheet­Number = @Worksheetnumber  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

[app](#CFWsQUdQIvVdO/+z3z+x8xk1IDI=)

|  |
| --- |
| [app].[Get­Works­By­Worksheet­Number­EN]  Ez a tárolt eljárás a korábbival egyenértékű, annyi változtatással, hogy az adott országhoz tartozó árazást, és munka megnevezést használja.  Pl. EXEC App.GetWorksByWorksheetNumberEN @Worksheetnumber='WS-HU000001' |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheetnumber | varchar(11) | 11 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [app].[Get­Works­By­Worksheet­Number­EN]  @Worksheetnumber varchar(11)  AS  SELECT  W.Worksheet­Number,CONCAT (C.Last­Name + ' ', C.Middle­Name + ' ' + C.First­Name) AS Worker,  WO.Work­Name­EN AS Work­Name, IIF(WO.Hourly­Work­Price­EN IS NULL,WO.Price­EN,WO.Hourly­Work­Price­EN) AS Price,WD.Quantity,  CASE  WHEN  WO.i­SHourly­Work = 0 THEN WO.Price­EN  ELSE WO.Hourly­Work­Price­EN \* WD.Quantity  END  AS Sub­Total, WD.Worker­Description  FROM Worksheet W  LEFT JOIN Worksheet­Detail WD ON WD.Worksheet­ID = W.Worksheet­ID  LEFT JOIN Work WO ON WO.Work­ID = WD.Work­ID  LEFT JOIN Worker WR ON WR.Worker­ID = WD.Worker­ID  LEFT JOIN Customer C ON C.Customer­ID = WR.Customer­ID  WHERE Worksheet­Number = @Worksheetnumber  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

[app](#CFWsQUdQIvVdO/+z3z+x8xk1IDI=)

|  |
| --- |
| [dbo].[Add­Random­Work­To­Worksheet]  Ez a tárolt eljárás az adatgeneráláshoz szükséges. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheet­ID | int | 4 |
| @Worker­ID | smallint | 2 |
| @Work­ID | smallint | 2 |
| @Quantity | tinyint | 1 |
| @Worker­Description | varchar(120) | 120 |
| @Completion­Time | datetime | 8 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Add­Random­Work­To­Worksheet]  @Worksheet­ID int,  @Worker­ID smallint,  @Work­ID smallint,  @Quantity tinyint,  @Worker­Description varchar(120),  @Completion­Time datetime  AS  INSERT INTO Worksheet­Detail(Worksheet­ID,Worker­ID,Work­ID,Quantity,Worker­Description,Completion­Time) VALUES (@Worksheet­Id,@Worker­ID,@Work­ID,@Quantity,@Worker­Description,@Completion­Time)  GO |

Uses

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

Used By

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

|  |
| --- |
| [dbo].[Create­Customer]  Ez egy ügyfél létrehozó tárolt eljárás.  Itt kerül felhasználásra a majd később bemutatásra kerülő Email­Check függvény is, amely .NET Clr segítségével lett implementálva. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @First­Name | varchar(30) | 30 |
| @Middle­Name | varchar(20) | 20 |
| @Last­Name | varchar(20) | 20 |
| @Phone­Number | varchar(20) | 20 |
| @Email | varchar(90) | 90 |
| @is­Newsletter | bit | 1 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Create­Customer]  @First­Name varchar(30),@Middle­Name varchar(20), @Last­Name varchar(20), @Phone­Number varchar(20), @Email varchar(90), @is­Newsletter bit  AS  IF (@First­Name ='' OR @Last­Name ='' OR @Phone­Number ='' OR @Email ='')  RETURN 1  DECLARE @password varchar(8)  DECLARE @Email­Check char(3)  SET @Password =(SELECT LEFT(NEWID(),8))  SET @Email­Check = dbo.Email­Check(@Email)  IF @Email­Check = 'Bad'  RETURN 2  IF @Middle­Name = ''  SET @Middle­Name = NULL  INSERT INTO Customer VALUES (@First­Name,@Middle­Name,@Last­Name,@Email,'1',@Password,@Phone­Number,NULL,@is­Newsletter,'0',NULL,0,0,NULL,0,NULL)  RETURN 0  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Email­Check]](#Jx9Lq4JGXtJo/zacLpwO9CPbP/I=)

Used By

[[dbo].[LDAPImport]](#8zn9gqiQp5QxWrLHJO2z4BUbbWk=)

|  |
| --- |
| [dbo].[Create­Random­Customer]  Ez a tárolt eljárás az adatgeneráláshoz szükséges. A magyar posta hivatalos adatai alapján állítottam össze a szükséges CSV fájlokat. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @count | int | 4 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Create­Random­Customer]  @count int  AS  DECLARE @i int  SET @i = 0  BEGIN  DROP TABLE IF EXISTS #Names  CREATE TABLE #Names (Lastname varchar(100))  BULK INSERT #Names  FROM 'D:\Google­Drive\T360\Vizsgaremek\csaladnevek.csv'  WITH (FIELDTERMINATOR =';', ROWTERMINATOR ='\n', CODEPAGE = 'ACP', FIRSTROW = 2)  -- SELECT \* FROM #Names  DROP TABLE IF EXISTS #Names2  CREATE TABLE #Names2 (Firstname varchar(100))  BULK INSERT #Names2  FROM 'D:\Google­Drive\T360\Vizsgaremek\utonevek.csv'  WITH (FIELDTERMINATOR =';', ROWTERMINATOR ='\n', CODEPAGE = 'ACP', FIRSTROW = 2)  -- SELECT \* FROM #Names2    END  WHILE @i < @count  BEGIN  DECLARE @Random­Email­Provider varchar(50), @Random­Email­Number varchar(3)  SET @Random­Email­Provider = (SELECT \* FROM v­Random­Mail­Provider)  SET @Random­Email­Number = (SELECT CAST(dbo.Return­Rand­From­To(0,255) AS VARCHAR(3)))  SET @i = @i + 1  DROP TABLE IF EXISTS #Temp­Data  SELECT TOP 1 N.Lastname,N2.Firstname, CONCAT(dbo.Accent­Converter(N.Lastname), + '.', dbo.Accent­Converter(Firstname) + @Random­Email­Number, + @Random­Email­Provider) AS Email,dbo.Generate­Random­Phone­Number() AS Phone­Number  INTO #Temp­Data  FROM #Names2 N2  CROSS JOIN #Names N  ORDER BY NEWID()  DECLARE @First­Name varchar(30), @Last­Name varchar(20), @Phone­Number varchar(20), @Email varchar(90)  SET @First­Name = (SELECT Firstname FROM #Temp­Data)  SET @Last­Name = (SELECT Lastname FROM #Temp­Data)  SET @Phone­Number = (SELECT Phone­Number FROM #Temp­Data)  SET @Email = (SELECT Email FROM #Temp­Data)  -- Generate Customer Password  DECLARE @Password VARCHAR(8)  SET @Password =(SELECT LEFT(NEWID(),8))  INSERT INTO Customer VALUES (@First­Name,NULL,@Last­Name,@Email,'1',@Password,@Phone­Number,NULL,'0','0',NULL,0,0,NULL,0,NULL)  DECLARE @Customer­ID int , @Street varchar(100), @Street­Number tinyint,@Random­Postal­Code­ID smallint,@Random­Postal­Code varchar(10),@Random­City varchar(50),@Complete­Address varchar(200)  SET @Customer­ID = SCOPE\_­IDENTITY()  SET @Random­Postal­Code­ID = (SELECT dbo.Return­Rand­From­To(1,3570))  SET @Random­Postal­Code = (SELECT PC.Postal­Code FROM Postal­Code PC WHERE PC.Postal­Code­ID = @Random­Postal­Code­ID)  SET @Random­City = (SELECT PC.City­Name FROM Postal­Code PC WHERE PC.Postal­Code­ID = @Random­Postal­Code­ID)  SET @Street = (SELECT \* FROM v­Random­Street)  SET @Street­Number = (SELECT dbo.Return­Rand­From­To(1,120))  SET @Complete­Address = CONCAT(@Street, @Street­Number)  INSERT INTO dbo.Address (Customer­ID,Country­Code,Postal­Code,City­Name,Address­Line1,Addressline2,Address­From,Address­To) VALUES (@Customer­ID,'HU',@Random­Postal­Code,@Random­City,@Complete­Address,NULL,GETDATE(),NULL)  END  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Postal­Code]](#HIxLf0IfiHYccH3pAleEH0WUDcg=)

[[dbo].[v­Random­Mail­Provider]](#9rGa+dSzZCmaX7ltzasDBZLLfbM=)

[[dbo].[v­Random­Street]](#2MgXUt31nRjS2ulkoYwxbpRsct0=)

[[dbo].[Accent­Converter]](#Gz/4+kTthkgBuIW0oe2Vr1QIKWE=)

[[dbo].[Generate­Random­Phone­Number]](#2wM79UvLlVjNojSXSfsHqmcLD20=)

[[dbo].[Return­Rand­From­To]](#GuQAn9SJ9NpxDGuSei34SPkbDW4=)

|  |
| --- |
| [dbo].[Create­Random­Worksheet]  Ez a tárolt eljárás az adatgeneráláshoz szükséges. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @count | int | 4 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Create­Random­Worksheet]  @count int  AS  BEGIN  DECLARE @i int  SET @i = 0  DECLARE @Worksheetrecorder int,@Customer­ID int,@Site­Code int,@Device­Name varchar(120),@Device­Serial­Number varchar(100),@Job­Description varchar(120),@Service­Code int, @Random­Status­Code tinyint, @is­External tinyint,@Random­External­Job­Description varchar(120)  WHILE @i < @count  BEGIN  -- PRINT 'Debug';  SET @i = @i + 1  SET @Customer­ID = (SELECT dbo.Return­Rand­From­To(7,100000))  SET @Service­Code = (SELECT dbo.Return­Rand­From­To(1,3))  SET @Random­Status­Code = (SELECT dbo.Return­Rand­From­To(1,3))  -- Creating some more demo data (external worksheet too)  SET @is­External = (SELECT dbo.Return­Rand­From­To(0,1))  DECLARE @wcount int, @Random­Work­Id int, @Random­Quantity int  SET @wcount = 0  IF @is­External = 1  BEGIN  SET @Random­Quantity =1  SET @Device­Name = NULL  SET @Device­Serial­Number = NULL  SET @Job­Description = NULL  SET @wcount = 1  SET @Random­External­Job­Description = (SELECT \* FROM v­Random­External­Job­Description)  BEGIN  -- (@Random­Work­Id 6,7 = GPON, DSL internet bekötés )  IF @Random­External­Job­Description = 'Internet bekötés'  BEGIN  SET @Random­Work­Id = (SELECT dbo.Return­Rand­From­To(6,7))  END  -- (@Random­Work­Id 9 = Fejállomás építés )  IF @Random­External­Job­Description = 'Fejállomás építés'  BEGIN  SET @Random­Work­Id = 9  END  END  END  ELSE  BEGIN  -- If we have internal worksheet  SET @Random­External­Job­Description = NULL  SET @Job­Description = (SELECT \* FROM v­Random­Job­Description)  SET @Device­Name = (SELECT \* FROM v­Random­Device­Type)  SET @Device­Serial­Number = (SELECT dbo.Return­Rand­From­To(35000,95000))  -- (@Random­Work­Id 4,5 = Bevizsgálás / Szoftver telepítés )  SET @Random­Work­Id = (SELECT dbo.Return­Rand­From­To(4,5))  SET @wcount = (SELECT dbo.Return­Rand­From­To(1,3))  SET @Random­Quantity = (SELECT dbo.Return­Rand­From­To(1,3))  END  -- Get Country Code for Worksheet Number  DECLARE @Country­Code char(2)  SET @Country­Code = (SELECT DISTINCT A.Country­Code FROM Service S  INNER JOIN Address A ON A.Address­Id = S.Address­ID  WHERE S.Service­Code = @Service­Code)  DECLARE @pr varchar(5)  SET @pr = CONCAT('WS-', @Country­Code)    -- Get the next worksheet number  DECLARE @Worksheetnumber varchar(12)  SET @Worksheetnumber = (SELECT dbo.Generate­Worksheet­Number(@pr))    INSERT INTO dbo.Worksheet VALUES(@Worksheetrecorder,@Customer­ID,@Site­Code,@Worksheetnumber,@is­External,@Random­External­Job­Description, (SELECT dbo.Random­Date­Time('2015-01-01 08:00:00','2023-03-26 18:00:00')),@Device­Name,@Device­Serial­Number,@Job­Description,@Service­Code,0,0,@Random­Status­Code,NULL)    -- Get the last Worksheet­ID  DECLARE @Worksheet­Id int  SET @Worksheet­Id = (SELECT SCOPE\_­IDENTITY())  --Debug Print @Worksheet­Id  DECLARE @Random­Worker­Description varchar(120)  DECLARE @Modified­Completion­Time datetime  DECLARE @Time­Of­Issue datetime  SET @Time­Of­Issue = (SELECT Time­Of­Issue FROM Worksheet WHERE Worksheet­ID = @Worksheet­Id)  SET @Modified­Completion­Time = (SELECT DATEADD(HOUR,-3,@Time­Of­Issue))  -- Add random data to worksheet detail based on worksheet­ID  DECLARE @wi int  SET @wi = 0    WHILE @wi < @wcount  BEGIN  SET @wi = @wi + 1  SET @Worksheetrecorder = (SELECT dbo.Return­Rand­From­To(1,2))  SET @Random­Worker­Description = (SELECT \* FROM v­Random­Worker­Description)  EXEC Add­Random­Work­To­Worksheet @Worksheet­ID = @Worksheet­Id, @Worker­ID = @Worksheetrecorder, @Work­ID = @Random­Work­Id, @Quantity = @Random­Quantity, @Worker­Description = @Random­Worker­Description, @Completion­TIme = @Modified­Completion­Time  END  END  END  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[v­Random­Device­Type]](#Dii8wyaxR6fJezNu8drrJBzOl50=)

[[dbo].[v­Random­External­Job­Description]](#IKhr/3e6hWfEczic97pDmMg2cHw=)

[[dbo].[v­Random­Job­Description]](#XCOon8ACyg61m/3azR19MFVAwzs=)

[[dbo].[v­Random­Worker­Description]](#r4DwkQ3z4+RccbS5ATgZSTAn6eM=)

[[dbo].[Add­Random­Work­To­Worksheet]](#T9XCk9F1urmAEcRPa8E/RVk3Ous=)

[[dbo].[Generate­Worksheet­Number]](#BXJhxNh8L4CuC9F3Iad7uE+YLVU=)

[[dbo].[Random­Date­Time]](#8I+e1jTKQTUpFln0RHNGu6q+GkY=)

[[dbo].[Return­Rand­From­To]](#GuQAn9SJ9NpxDGuSei34SPkbDW4=)

|  |
| --- |
| [dbo].[Create­Work]  Ez a tárolt eljárás a munka rögzítéséhez használható.   Megadható három különböző nyelven a megnevezés, lehet eltérő árazás, és áfa kulcs is. Megkülönböztethetünk óradíjas, és egységára munkát is. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Work­Code | varchar(10) | 10 |
| @Work­Name | varchar(120) | 120 |
| @Work­Name­DE | varchar(120) | 120 |
| @Work­Name­EN | varchar(120) | 120 |
| @Work­Sub­Category­ID | tinyint | 1 |
| @Is­Hourly­Work | bit | 1 |
| @Hourly­Work­Price | money | 8 |
| @Hourly­Work­Price­DE | money | 8 |
| @Hourly­Work­Price­EN | money | 8 |
| @Vat­ID | tinyint | 1 |
| @Vat­Id­DE | tinyint | 1 |
| @Vat­Id­EN | tinyint | 1 |
| @Price | money | 8 |
| @Price­DE | money | 8 |
| @Price­EN | money | 8 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Create­Work]  @Work­Code varchar(10),  @Work­Name varchar(120),  @Work­Name­DE varchar(120),  @Work­Name­EN varchar(120),  @Work­Sub­Category­ID tinyint,  @Is­Hourly­Work bit,  @Hourly­Work­Price money,  @Hourly­Work­Price­DE money,  @Hourly­Work­Price­EN money,  @Vat­ID tinyint,  @Vat­Id­DE tinyint,  @Vat­Id­EN tinyint,  @Price money,  @Price­DE money,  @Price­EN money  AS  INSERT INTO Work(Work­Code,Work­Name,Work­Name­DE,Work­Name­EN,Work­Sub­Category­ID,i­SHourly­Work,Hourly­Work­Price,Hourly­Work­Price­DE,Hourly­Work­Price­EN,Vat­ID,Vat­Id­DE,Vat­Id­EN,Price,Price­DE,Price­EN)  VALUES(  @Work­Code,@Work­Name,@Work­Name­DE,@Work­Name­EN,@Work­Sub­Category­ID,@Is­Hourly­Work,@Hourly­Work­Price,@Hourly­Work­Price­DE,@Hourly­Work­Price­EN,@Vat­ID,@Vat­Id­DE,@Vat­Id­EN, @Price, @Price­DE,@Price­EN)  GO |

Uses

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

|  |
| --- |
| [dbo].[Create­Worksheet]  Ez a tárolt eljárás a munkalap létrehozásra szolgál. Itt megadható belső, és külső munka is.   Belső munkalap esetén lehetőség van az átvett eszköz, és annak sorozatszámának rögzítésére is. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheetrecorder | int | 4 |
| @Customer­ID | int | 4 |
| @Site­Code | int | 4 |
| @Exteran­Job­Description | varchar(120) | 120 |
| @Device­Name | varchar(120) | 120 |
| @Device­Serial­Nummber | varchar(100) | 100 |
| @Job­Description | varchar(120) | 120 |
| @Service­Code | int | 4 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Create­Worksheet]  @Worksheetrecorder int,  @Customer­ID int,  @Site­Code int,  @Exteran­Job­Description varchar(120),  @Device­Name varchar(120),  @Device­Serial­Nummber varchar(100),  @Job­Description varchar(120),  @Service­Code int  AS  BEGIN  DECLARE @Country­Code char(2)  SET @Country­Code = (SELECT DISTINCT A.Country­Code FROM Service S  INNER JOIN Address A ON A.Address­Id = S.Address­ID  WHERE S.Service­Code = @Service­Code)  DECLARE @pr varchar(5)  SET @pr = CONCAT('WS-', @Country­Code)  DECLARE @Worksheetnumber varchar(12)  SET @Worksheetnumber = (SELECT dbo.Generate­Worksheet­Number(@pr))  INSERT INTO dbo.Worksheet VALUES(@Worksheetrecorder,@Customer­ID,@Site­Code,@Worksheetnumber,0,@Exteran­Job­Description,SYSDATETIME(),@Device­Name,@Device­Serial­Nummber,@Job­Description,@Service­Code,0,0,NULL,NULL)  END  -- Stat Worksheet (Year, Service, Worksheet Number)  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[Generate­Worksheet­Number]](#BXJhxNh8L4CuC9F3Iad7uE+YLVU=)

|  |
| --- |
| [dbo].[Create­Work­To­Worksheet]  Ez a tárolt eljárás munkák hozzáadására használható a munkalapokhoz. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Workshhet­ID | int | 4 |
| @Worker­ID | smallint | 2 |
| @Work­ID | smallint | 2 |
| @Quantity | tinyint | 1 |
| @Worker­Description | varchar(120) | 120 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Create­Work­To­Worksheet]  @Workshhet­ID int,  @Worker­ID smallint,  @Work­ID smallint,  @Quantity tinyint,  @Worker­Description varchar(120)  AS  DECLARE @Completion­Time datetime  SET @Completion­Time = (SELECT SYSDATETIME())  INSERT INTO Worksheet­Detail(Worksheet­ID,Worker­ID,Work­ID,Quantity,Worker­Description,Completion­Time) VALUES (@Workshhet­ID,@Worker­ID,@Work­ID,@Quantity,@Worker­Description,@Completion­Time)  GO |

Uses

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

|  |
| --- |
| [dbo].[Csv­Import]  Ez a tárolt eljárás CSV importot valósít meg dinamikus SQL segítéségével. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @File­Name | nvarchar(max) | max |
| @Codepage | nvarchar(5) | 10 |
| @Into­Table­Name | nvarchar(20) | 40 |
| @Format­File | nvarchar(200) | 400 |

SQL Script

|  |
| --- |
| -- Stored Procedure CSV Import with Name + Encoding Parameter (CODEPAGE 65001 -> UTF8)  CREATE PROCEDURE [dbo].[Csv­Import]  @File­Name nvarchar(max),  @Codepage nvarchar(5),  @Into­Table­Name nvarchar(20),  @Format­File nvarchar(200)  AS  DECLARE @Sql nvarchar(max)  SET @Sql = 'BULK INSERT ' + @Into­Table­Name + '  FROM ''' + @File­Name + '''  WITH (FORMATFILE = ''' +@Format­File+ ''',  CODEPAGE = ''' + @Codepage + ''',  firstrow = 2,  fieldterminator = '','',  rowterminator=''\n'')'  -- Debug SELECT @Sql  EXEC sp\_executesql @Sql  GO |

|  |
| --- |
| [dbo].[Get­Used­Components­By­Worksheet­Number]  A korábban már bemutatott App sémában is rendelkezésre álló tárolt eljárás, tesztelési célok miatt maradt bent. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheetnumber | varchar(11) | 11 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Get­Used­Components­By­Worksheet­Number]  @Worksheetnumber varchar(11)  AS  SELECT  W.Worksheet­Number ,CONCAT (C.Last­Name + ' ', C.Middle­Name + ' ' + C.First­Name) AS Worker­Name, AC.Component­Name ,AST.Serial­Number  FROM Worksheet W  INNER JOIN Used­Component UC ON UC.Worksheet­ID = W.Worksheet­ID  INNER JOIN Asset­Stock AST ON AST.Asset­ID = UC.Asset­ID  INNER JOIN Asset­Component AC ON AC.Component­ID = AST.Component­ID  INNER JOIN Worker WR ON WR.Worker­ID = UC.Worker­ID  INNER JOIN Customer C ON C.Customer­ID = WR.Customer­ID  WHERE Worksheet­Number = @Worksheetnumber  GO |

Uses

[[dbo].[Asset­Component]](#erStjxMccLm6WP7oBXikNv6kPvM=)

[[dbo].[Asset­Stock]](#9+frQXSq7Eci7mpRHvgYHrcXsyk=)

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Used­Component]](#Fp5psZqKIOBQo1WqViXHQ2oIlCo=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| [dbo].[Get­Works­By­Worksheet­Number]  A korábban már bemutatott App sémában is rendelkezésre álló tárolt eljárás, tesztelési célok miatt maradt bent. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheetnumber | varchar(11) | 11 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Get­Works­By­Worksheet­Number]  @Worksheetnumber varchar(11)  AS  SELECT  W.Worksheet­Number,CONCAT (C.Last­Name + ' ', C.Middle­Name + ' ' + C.First­Name) AS Worker,  WO.Work­Name AS Work­Name, IIF(WO.Hourly­Work­Price IS NULL,WO.Price,WO.Hourly­Work­Price) AS Price,WD.Quantity,  CASE  WHEN  WO.i­SHourly­Work = 0 THEN WO.Price  ELSE WO.Hourly­Work­Price \* WD.Quantity  END  AS Sub­Total, WD.Worker­Description  FROM Worksheet W  LEFT JOIN Worksheet­Detail WD ON WD.Worksheet­ID = W.Worksheet­ID  LEFT JOIN Work WO ON WO.Work­ID = WD.Work­ID  LEFT JOIN Worker WR ON WR.Worker­ID = WD.Worker­ID  LEFT JOIN Customer C ON C.Customer­ID = WR.Customer­ID  WHERE Worksheet­Number = @Worksheetnumber  GO |

Uses

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Work]](#8EixVOLYkSO5UXkM5z/+BhbfV3M=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

[[dbo].[Worksheet­Detail]](#I1OPOyd+tDR/BMNJKzCDxv1eQMA=)

|  |
| --- |
| [dbo].[Get­Worksheet­Basic­Data]  Ez a tárolt eljárás egy adott munkához tartozó legfontosabb adatokat adja vissza.  Pl. EXEC GetWorksheetBasicData @Worksheetnumber='WS-HU000002' |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Worksheetnumber | varchar(11) | 11 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [dbo].[Get­Worksheet­Basic­Data]  @Worksheetnumber varchar(11)  AS  SELECT TOP 1 W.Worksheet­Number,W.Worksheet­ID, W.Customer­ID, CONCAT (C.Last­Name, ' ', C.First­Name) AS Custom­Name,CONCAT (A.Postal­Code, ' ,', A.City­Name, ' ,', A.Address­Line1) AS Customer­Address,C.Email,C.Phone­Number,W.Time­Of­Issue, W.Device­Name, W.Device­Serial­Nummber,W.Job­Description, S.Service­Name, CONCAT (C2.Last­Name,' ',C2.First­Name) AS Recorded­By­Worker,C2.Phone­Number AS Worker­Phone­Number FROM Worksheet W  INNER JOIN Service S ON W.Service­Code = S.Service­Code  INNER JOIN Worker WK ON WK.Worker­ID = Worksheet­Recorder­ID  INNER JOIN Customer C ON C.Customer­ID = W.Customer­ID  INNER JOIN Customer C2 ON C2.Customer­ID = WK.Customer­ID AND C2.is­Worker =1  INNER JOIN Address A ON A.Customer­ID =C.Customer­ID  WHERE Worksheet­Number = @Worksheetnumber  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Service]](#Ll2mA/zwArvlLUpbcRpNEcQ4l5E=)

[[dbo].[Worker]](#S6zwzENq3CD8ChCBF67bFgrMO2g=)

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

|  |
| --- |
| [dbo].[LDAPImport]  Ez a tárolt eljárás egy Active Directory LDAP szinkronizációt valósít meg.  A működéshez értelmezéséhez fontos tudni, hogy a sAMAccountName az LDAP címtárban Unique mező.   Az adatcseréhez szükséges egy Server Object felvétele, és értelemszerűen egy Domain Controller a megfelelő jogosultságokkal.  Pl.  EXEC master.dbo.sp\_addlinkedserver @server = N'ADSI', @srvproduct=N'Active Directory Services 2.5', @provider=N'ADsDSOObject', @datasrc=N'adsdatasource'  EXEC master.dbo.sp\_addlinkedsrvlogin @rmtsrvname=N'ADSI',@useself=N'False',@locallogin=NULL,@rmtuser=N'bryan\Administrator',@rmtpassword='Demo1234#'  Fontos a megfelelő URL használata a lekérdezéshez.   Pl. LDAP://bryan.local/DC=bryan,DC=local  **A működés röviden:**  Amennyiben még nincs ilyen ügyfél rögzítjük az adatokat a Customer táblába, a hozzájuk tartozó címet pedig az Address táblába, és beleírjuk az ADImport táblába is, itt tárolásra kerül az importálás dátuma is.  Abban az esetben pedig, ha már létezik az ügyfél frissítésre kerülnek az adatok az ADImport táblában, majd pedig update történik a Customer és az Address táblában is. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROC [dbo].[LDAPImport]  AS  DROP TABLE ##Ad­Temp  DROP TABLE ##Ad­Import  CREATE TABLE ##Ad­Import  (  id INT PRIMARY KEY IDENTITY(1, 1),  s­AMAccount­Name VARCHAR(30),  firstname VARCHAR(30),  lastname VARCHAR(30),  email VARCHAR(30),  country CHAR(2),  postalcode VARCHAR(10),  cityname VARCHAR(50),  Address­Line1 VARCHAR(100),  Phone­Number VARCHAR(20)  )  SELECT \* INTO ##Ad­Temp  FROM OPENQUERY(ADSI, 'SELECT c,display­Name,sn,givenname, s­AMAccount­Name, mail,postal­Code,l,street­Address,telephone­Number FROM ''LDAP://bryan.local/DC=bryan,DC=local'' WHERE object­Category=''user''')  INSERT INTO ##Ad­Import (country,s­AMAccount­Name,firstname, lastname, email,postalcode,cityname,Address­Line1,Phone­Number)  SELECT c,s­AMAccount­Name,sn,givenname,mail,postal­Code,l,street­Address,telephone­Number  FROM ##Ad­Temp WHERE s­AMAccount­Name NOT IN('Gast','krbtgt','Administrator')  SELECT \* FROM ##Ad­Import  DECLARE @Customer­ID int  DECLARE @SAM VARCHAR(30)  DECLARE @First­Name VARCHAR(30)  DECLARE @Middle­Name VARCHAR(30)  DECLARE @Last­Name VARCHAR(30)  DECLARE @Email VARCHAR(90)  DECLARE @Phone­Number VARCHAR(20)  DECLARE @Country VARCHAR(10)  DECLARE @Postalcode VARCHAR(10)  DECLARE @City­Name VARCHAR(50)  DECLARE @Address­Line1 VARCHAR(100)  DECLARE @User­Check tinyint  DECLARE @Password varchar(8)  DECLARE @Import­Date datetime  DECLARE @Modified­Date datetime  DECLARE @Adimport­ID int  DECLARE @Address­ID int  DECLARE @Pre­Check int  DECLARE db\_cursor CURSOR FOR  SELECT s­AMAccount­Name  FROM ##Ad­Import  OPEN db\_cursor  FETCH NEXT FROM db\_cursor INTO @SAM  WHILE @@FETCH\_­STATUS = 0  BEGIN  SET @First­Name = (SELECT firstname FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @Last­Name = (SELECT lastname FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @Email = (SELECT email FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @Phone­Number = (SELECT Phone­Number FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @Postalcode = (SELECT postalcode FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @City­Name = (SELECT cityname FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @Address­Line1 = (SELECT Address­Line1 FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @Country = (SELECT country FROM ##Ad­Import WHERE s­AMAccount­Name = @SAM)  SET @Middle­Name = NULL  SET @Password =(SELECT LEFT(NEWID(),8))  SET @Import­Date =(SELECT SYSDATETIME ())  SET @Modified­Date =(SELECT SYSDATETIME ())  --Pre­Check  -- If User is imported We need to update  SET @Pre­Check = (SELECT count(id) FROM Adimport WHERE s­AMAccount­Name = @SAM)  SELECT @Pre­Check  IF @Pre­Check = 1  BEGIN    SET @Customer­ID = (SELECT Customer­ID FROM Adimport WHERE s­AMAccount­Name = @SAM)  SET @Adimport­ID = (SELECT id FROM Adimport WHERE s­AMAccount­Name = @SAM)  SET @Address­ID = (SELECT Address­ID FROM Address A WHERE A.Customer­ID = @Customer­ID)  SELECT @Address­ID  -- Update the real customer table, update tehe Adimport set modification date, and update address table  UPDATE Customer SET First­Name = @First­Name, Last­Name = @Last­Name,Email = @Email,Phone­Number = @Phone­Number WHERE Customer­ID = @Customer­ID  UPDATE Adimport SET First­Name = @First­Name, Last­Name = @Last­Name,Email = @Email, country = @Country, postalcode = @Postalcode, Address­Line1 = @Address­Line1, Phone­Number = @Phone­Number, Modified­Date = @Modified­Date WHERE id = @Adimport­ID  UPDATE Address SET Country­Code = @Country, Postal­Code = @Postalcode, City­Name = @City­Name, Address­Line1 = @Address­Line1 WHERE Address­Id = @Address­ID    END  ELSE IF @Pre­Check = 0  BEGIN  SET @User­Check = (SELECT count(Customer­ID) FROM Customer C WHERE C.First­Name = @Firstname and C.Last­Name = @Last­Name and C.Email = @Email)  SELECT @User­Check  IF @User­Check = 0  BEGIN  EXEC Create­Customer @First­Name,@Middle­Name,@Last­Name,@Phone­Number,@Email,'0'  SET @Customer­ID = (SELECT Customer­ID FROM Customer C WHERE C.First­Name = @Firstname and C.Last­Name = @Last­Name and C.Email = @Email)  INSERT INTO Ad­Import (s­AMAccount­Name,firstname ,lastname ,email ,postalcode ,country,cityname,Address­Line1,Phone­Number,Import­Date,Customer­ID)  VALUES (@SAM,@Last­Name,@First­Name,@Email,@Postalcode,@Country,@City­Name,@Address­Line1,@Phone­Number,@Import­Date,@Customer­ID)  INSERT INTO dbo.Address (Customer­ID,Country­Code,Postal­Code,City­Name,Address­Line1,Addressline2,Address­From,Address­To) VALUES (@Customer­ID,@Country,@Postalcode,@City­Name,@Address­Line1,NULL,SYSDATETIME(),NULL)  END  END  FETCH NEXT FROM db\_cursor INTO @SAM  END  CLOSE db\_cursor  DEALLOCATE db\_cursor  GO |

Uses

[[dbo].[Address]](#/li3/kCHXYcZNld48bWHj/ABexQ=)

[[dbo].[Ad­Import]](#EP/XtfKD87OK237UWQMxHj2IudQ=)

[[dbo].[Customer]](#sqgUg8XN+0KEWblgvbAXzE14/dk=)

[[dbo].[Create­Customer]](#/ZNioM7g8C2hN3gndly3y1tGzvg=)

|  |
| --- |
| Scalar-valued Functions  Rendelkezésre állnak segéd függvények az adatgeneráláshoz, és a produktív környezetben használatos függvények is. |

Objects

|  |
| --- |
| Name |
| [dbo.Accent­Converter](#Gz/4+kTthkgBuIW0oe2Vr1QIKWE=) |
| [dbo.Email­Check](#Jx9Lq4JGXtJo/zacLpwO9CPbP/I=) |
| [dbo.Generate­Random­Phone­Number](#2wM79UvLlVjNojSXSfsHqmcLD20=) |
| [dbo.Generate­Worksheet­Number](#BXJhxNh8L4CuC9F3Iad7uE+YLVU=) |
| [dbo.Random­Date­Time](#8I+e1jTKQTUpFln0RHNGu6q+GkY=) |
| [dbo.Regex](#EW9ndqj03rC41JZ0yoFqO6ve2KM=) |
| [dbo.Return­Rand](#Lhoph/10zYblxv0TJBzpJG9TXWc=) |
| [dbo.Return­Rand­From­To](#GuQAn9SJ9NpxDGuSei34SPkbDW4=) |

|  |
| --- |
| [dbo].[Accent­Converter]  Az adatgeneráláshoz szükséges, mivel a random ügyfél feltöltésnél az e-mail címek generáláshoz a neveket is felhasználom, és az ékezetek miatt ez szükséges hozzá.  Pl. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @data | varchar(100) | 100 |

SQL Script

|  |
| --- |
| CREATE FUNCTION [dbo].[Accent­Converter] (@data varchar(100))  RETURNS VARCHAR(100)  AS  BEGIN  SET @data = (SELECT @data collate SQL\_­Latin1\_­General\_­Cp1251\_­CS\_­AS)  RETURN @data  END  GO |

Used By

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

|  |
| --- |
| [dbo].[Email­Check]  Ez a függvény az e-mail cím ellenőrzéséhez szükséges. .NET Clr segítségével van megvalósítva.  Igazából egy Regex kifejezés kiértékelését végzi el.  A hozzá kapcsolódó anyagok:  <https://github.com/atiradeon86/WorkRouter/tree/main/.NET%20CLR> <https://github.com/atiradeon86/WorkRouter/blob/main/.NET_CLR.sql>  Részlet a CS fájlból:   A használatához a CS fájlt le kell fordítani, engedélyezni kell a Clr használatát az SQL szerveren a megfelelő jogosultsági szinten.  EXEC sp\_configure 'clr enabled',1  RECONFIGURE;  EXEC sp\_configure 'clr strict security', 0;  RECONFIGURE;  Majd létre kell hozni egy Assembly-t hozzá:  CREATE ASSEMBLY Regex FROM 'E:\GitHub\vizsgaremek-atiradeon86\Regex.dll'  WITH PERMISSION\_SET = SAFE  GO  Ezután pedig az Assembly alapján létrehozható egy már az Sql szerver névterében is elérhető függvény.  CREATE FUNCTION EmailCheck(@S nvarchar(max)) RETURNS nvarchar(max)  AS EXTERNAL NAME Regex.[Bryan.Regex4Sql].EmailTesting  GO |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | False |
| Quoted Identifier On | False |
| Assembly | [Regex.Bryan.Regex4Sql.Email­Testing](#sQXklkPXhwMYwLIKxx5yIuwgjFQ=) |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @S | nvarchar(max) | max |

SQL Script

|  |
| --- |
| SET QUOTED\_­IDENTIFIER OFF  GO  SET ANSI\_­NULLS OFF  GO  CREATE FUNCTION [dbo].[Email­Check] (@S [nvarchar] (max))  RETURNS [nvarchar] (max)  WITH EXECUTE AS CALLER  EXTERNAL NAME [Regex].[Bryan.Regex4Sql].[Email­Testing]  GO |

Uses

[[Regex]](#sQXklkPXhwMYwLIKxx5yIuwgjFQ=)

Used By

[[dbo].[Create­Customer]](#/ZNioM7g8C2hN3gndly3y1tGzvg=)

|  |
| --- |
| [dbo].[Generate­Random­Phone­Number]  Az adatgeneráláshoz szükséges, random magyar formátumú számok előállítására használható. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Stored Procedure Generate­Random­Phone­Number  CREATE FUNCTION [dbo].[Generate­Random­Phone­Number]()  RETURNS VARCHAR(20)  AS  BEGIN  DECLARE @prefix VARCHAR(4)  DECLARE @number VARCHAR(7)    SELECT TOP 1 @prefix = prefix  FROM (VALUES ('20'), ('30'), ('70')) AS prefixes(prefix)  ORDER BY ( (SELECT [New­Id] FROM dbo.New­ID))    SET @number = ''  WHILE LEN(@number) < 7  BEGIN  SET @number = @number + CAST(FLOOR(dbo.Return­Rand() \* 10) AS VARCHAR(1))  END    RETURN CONCAT('+36', ' ', @prefix, ' ', SUBSTRING(@number, 1, 3), '-', SUBSTRING(@number, 4, 2), SUBSTRING(@number, 6, 2))  END  GO |

Uses

[[dbo].[New­ID]](#t1nF5vvxJIaGxjuU99qm8vdmmS8=)

[[dbo].[Return­Rand]](#Lhoph/10zYblxv0TJBzpJG9TXWc=)

Used By

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

|  |
| --- |
| [dbo].[Generate­Worksheet­Number]  A munkalapok azonosítása alapból egy INT típusú mezővel történik a sebesség miatt, viszont tárolásra kerül egy munkalapszám is hozzá, az adott országnak megfelelően.  PL. WS-HU000001  Így szükség van a következő munkalap számára új felvételkor.  Pl. SELECT dbo.GenerateWorksheetNumber('WS-HU') |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @prefix | varchar(5) | 5 |

SQL Script

|  |
| --- |
| CREATE FUNCTION [dbo].[Generate­Worksheet­Number] (@prefix VARCHAR(5))  RETURNS VARCHAR(20)  AS  BEGIN  DECLARE @counter INT  SELECT @counter = MAX(CAST(RIGHT(Worksheet­Number, LEN(Worksheet­Number) - LEN(@prefix)) AS INT))  FROM dbo.Worksheet  WHERE LEFT(Worksheet­Number, LEN(@prefix)) = @prefix  IF @counter IS NULL  SET @counter = 1  ELSE  SET @counter = @counter + 1  RETURN @prefix + RIGHT('000000' + CAST(@counter AS VARCHAR(6)), 6)  END  GO |

Uses

[[dbo].[Worksheet]](#PcevR2WyulypyoLVEGmG016P3k8=)

Used By

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

[[dbo].[Create­Worksheet]](#cI1t1pfxdHrLVyeWeM7BxcrGOOk=)

|  |
| --- |
| [dbo].[Random­Date­Time]  Az adatgeneráláshoz szükséges. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @From­Date | datetime | 8 |
| @To­Date | datetime | 8 |

SQL Script

|  |
| --- |
| -- Create Random­Date­Time Function  CREATE FUNCTION [dbo].[Random­Date­Time] (@From­Date DATETIME,@To­Date DATETIME)  RETURNS datetime  AS  BEGIN  DECLARE @Radomized­Date­Time DATETIME  DECLARE @Seconds INT = DATEDIFF(SECOND, @From­Date, @To­Date)  DECLARE @Random INT = ROUND(((@Seconds-1) \* dbo.Return­Rand()), 0)  SET @Radomized­Date­Time = (SELECT DATEADD(SECOND, @Random, @From­Date))  RETURN(@Radomized­Date­Time)  END  -- Stored Procedure Add­Random­Work­To­Worksheet ( In this case i need the work completion time. In base case the Completion­Time is the actual SYSDATETIME() )  GO |

Uses

[[dbo].[Return­Rand]](#Lhoph/10zYblxv0TJBzpJG9TXWc=)

Used By

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

|  |
| --- |
| [dbo].[Regex]  A korábban már ismertetett Email­Check-hez hasonlóan szintén .NET Clr felhasználálsval került beépítésre. Az Email­Check-nél linkelt [oldalon](https://github.com/atiradeon86/WorkRouter/tree/main/.NET%20CLR) megtekinthető a forrása.  A különbség az, hogy itt bármilyen Regex kifejezés használható, nincs beégetve fixen az e-mail ellenőrzésre használt Regex, ezáltal univerzálisan felhasználható. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | False |
| Quoted Identifier On | False |
| Assembly | [Regex.Bryan.Universal­Regex4Sql.Regex](#sQXklkPXhwMYwLIKxx5yIuwgjFQ=) |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Reg­Ex | nvarchar(max) | max |
| @S | nvarchar(max) | max |

SQL Script

|  |
| --- |
| SET QUOTED\_­IDENTIFIER OFF  GO  SET ANSI\_­NULLS OFF  GO  CREATE FUNCTION [dbo].[Regex] (@Reg­Ex [nvarchar] (max), @S [nvarchar] (max))  RETURNS [nvarchar] (max)  WITH EXECUTE AS CALLER  EXTERNAL NAME [Regex].[Bryan.Universal­Regex4Sql].[Regex]  GO |

Uses

[[Regex]](#sQXklkPXhwMYwLIKxx5yIuwgjFQ=)

|  |
| --- |
| [dbo].[Return­Rand]  Az adatgeneráláshoz szükséges. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE FUNCTION [dbo].[Return­Rand]()  RETURNS REAL  AS  BEGIN  DECLARE @R REAL  SET @R = (SELECT r­Rand FROM v­Rand)  return @R  END  GO |

Uses

[[dbo].[v­Rand]](#wW/PB7icRqf3SjRgcbQBDhN5YCY=)

Used By

[[dbo].[Generate­Random­Phone­Number]](#2wM79UvLlVjNojSXSfsHqmcLD20=)

[[dbo].[Random­Date­Time]](#8I+e1jTKQTUpFln0RHNGu6q+GkY=)

[[dbo].[Return­Rand­From­To]](#GuQAn9SJ9NpxDGuSei34SPkbDW4=)

|  |
| --- |
| [dbo].[Return­Rand­From­To]  Az adatgeneráláshoz szükséges. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @From | int | 4 |
| @To | int | 4 |

SQL Script

|  |
| --- |
| CREATE FUNCTION [dbo].[Return­Rand­From­To] (@From int, @To int)  RETURNS INT  AS  BEGIN  DECLARE @Rand­Int int  SET @Rand­Int = (SELECT FLOOR(dbo.Return­Rand() \* (@To-@From + 1)) + @From)  RETURN (@Rand­Int)  END  -- SELECT dbo.Return­Rand­From­To(1,5)  GO |

Uses

[[dbo].[Return­Rand]](#Lhoph/10zYblxv0TJBzpJG9TXWc=)

Used By

[[dbo].[Create­Random­Customer]](#dwlfFXTdFZz2c8LaaLIC2EQwCnQ=)

[[dbo].[Create­Random­Worksheet]](#ShV3vYjMRb257WSanLX+Ft55Y8o=)

|  |
| --- |
| Assemblies |

Objects

|  |
| --- |
| Name |
| [dbo.Regex](#sQXklkPXhwMYwLIKxx5yIuwgjFQ=) |

|  |
| --- |
| [Regex] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Visibility | On |
| Permission | SAFE |
| Owner | dbo |

Method Signatures

.NET Version v4.0.30319

using "System"

class Bryan.Regex4Sql : System.Object

{

String Email­Testing(String Data­String);

Boolean Equals(Object obj);

Int32 Get­Hash­Code();

Type Get­Type();

String To­String();

}

class Bryan.Universal­Regex4Sql : System.Object

{

String Regex(String Data­String , String pattern);

Boolean Equals(Object obj);

Int32 Get­Hash­Code();

Type Get­Type();

String To­String();

}

Related Files

|  |  |
| --- | --- |
| Attribute | Value |
| File | [Regex.dll](file:///C:/Users/atira/AppData/Local/Temp/Red%20Gate/SD_bd3f148fc26340a6a1c0831cef5188cd.dll) |
| Original File name | Regex |
| Length | 4608 |

SQL Script

|  |
| --- |
| --Assembly regex, version=0.0.0.0, culture=neutral, publickeytoken=null, processorarchitecture=msil  CREATE ASSEMBLY [Regex]  AUTHORIZATION [dbo]  FROM 0x4d5a90000300000004000000ffff0000b800000000000000400000000000000000000000000000000000000000000000000000000000000000000000800000000e1fba0e00b409cd21b8014ccd21546869732070726f6772616d2063616e6e6f742062652072756e20696e20444f53206d6f64652e0d0d0a2400000000000000\  504500004c010300da3245640000000000000000e00002210b010b00000a000000060000000000006e280000002000000040000000000010002000000002000004000000000000000400000000000000008000000002000000000000030040850000100000100000000010000010000000000000100000000000000000000000\  202800004b000000004000009802000000000000000000000000000000000000006000000c00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000200000080000000000000000000000082000004800000000000000000000002e74657874000000\  7408000000200000000a000000020000000000000000000000000000200000602e72737263000000980200000040000000040000000c0000000000000000000000000000400000402e72656c6f6300000c0000000060000000020000001000000000000000000000000000004000004200000000000000000000000000000000\  50280000000000004800000002000500f42000002c0700000100000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000133002002f00000001000011007201000070730300000a0a06026f0400000a0b0716fe01130411042d0500020d2b0a72\  580300700c080d2b00092a1e02280500000a2a00133003004a000000020000110003730300000a0a72600300700b06026f0600000a0c160d2b19000708096f0700000a6f0800000a280900000a0b000917580d09086f0a00000afe04130511052dd80713042b0011042a1e02280500000a2a000042534a420100010000000000\  0c00000076342e302e33303331390000000005006c0000007c010000237e0000e80100005801000023537472696e677300000000400300006403000023555300a4060000100000002347554944000000b40600007800000023426c6f620000000000000002000001471502000900000000fa2533001600000100000008000000\  0300000004000000030000000a0000000200000002000000010000000200000000000a0001000000000006004700400006009a007a000600ba007a000a006100de000a000501de000a001d01de000a002c01de0006003e01400000000000010000000000010001000100100014001e000500010001000100100024001e000500\  0100030050200000000096004e000a0001008b200000000086185b000f0002009420000000009600610013000200ea200000000086185b000f00040000000100670000000100670000000200720011005b00190019005b000f0021005b001e002100fd00230009005b000f00210015013100290023013700390034013d004100\  4501130029004c0141002e000b0050002e001300590028004500048000000000000000000000000000000000d80000000400000000000000000000000100370000000000040000000000000000000000010040000000000000000000003c4d6f64756c653e0072656765782e646c6c0052656765783453716c00427279616e00\  556e6976657273616c52656765783453716c006d73636f726c69620053797374656d004f626a65637400456d61696c54657374696e67002e63746f720052656765780044617461537472696e67007061747465726e0053797374656d2e52756e74696d652e436f6d70696c6572536572766963657300436f6d70696c6174696f\  6e52656c61786174696f6e734174747269627574650052756e74696d65436f6d7061746962696c6974794174747269627574650072656765780053797374656d2e546578742e526567756c617245787072657373696f6e730049734d61746368004d61746368436f6c6c656374696f6e004d617463686573004d617463680067\  65745f4974656d0043617074757265006765745f56616c756500537472696e6700436f6e636174006765745f436f756e7400000000835528003f003a005b0061002d007a0030002d0039002100230024002500260027002a002b002f003d003f005e005f0060007b007c007d007e002d005d002b0028003f003a005c002e005b\  0061002d007a0030002d0039002100230024002500260027002a002b002f003d003f005e005f0060007b007c007d007e002d005d002b0029002a007c00220028003f003a005b005c007800300031002d005c007800300038005c007800300062005c007800300063005c007800300065002d005c007800310066005c00780032\  0031005c007800320033002d005c007800350062005c007800350064002d005c007800370066005d007c005c005c005b005c007800300031002d005c007800300039005c007800300062005c007800300063005c007800300065002d005c007800370066005d0029002a0022002900400028003f003a0028003f003a005b0061\  002d007a0030002d0039005d0028003f003a005b0061002d007a0030002d0039002d005d002a005b0061002d007a0030002d0039005d0029003f005c002e0029002b005b0061002d007a0030002d0039005d0028003f003a005b0061002d007a0030002d0039002d005d002a005b0061002d007a0030002d0039005d0029003f\  007c005c005b0028003f003a0028003f003a00320035005b0030002d0035005d007c0032005b0030002d0034005d005b0030002d0039005d007c005b00300031005d003f005b0030002d0039005d005b0030002d0039005d003f0029005c002e0029007b0033007d0028003f003a00320035005b0030002d0035005d007c0032\  005b0030002d0034005d005b0030002d0039005d007c005b00300031005d003f005b0030002d0039005d005b0030002d0039005d003f007c005b0061002d007a0030002d0039002d005d002a005b0061002d007a0030002d0039005d003a0028003f003a005b005c007800300031002d005c007800300038005c007800300062\  005c007800300063005c007800300065002d005c007800310066005c007800320031002d005c007800350061005c007800350033002d005c007800370066005d007c005c005c005b005c007800300031002d005c007800300039005c007800300062005c007800300063005c007800300065002d005c007800370066005d0029\  002b0029005c005d00290001074200610064000001000000c3605640fba7b74793696ebc58a626ee0008b77a5c561934e0890400010e0e032000010500020e0e0e0420010108042001010e042001020e0807051211020e0e0205200112150e0520011219080320000e032000080a070612110e1215080e020801000800000000\  001e01000100540216577261704e6f6e457863657074696f6e5468726f7773014828000000000000000000005e280000002000000000000000000000000000000000000000000000502800000000000000005f436f72446c6c4d61696e006d73636f7265652e646c6c0000000000ff2500200010000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  000000000000000000000000000001001000000018000080000000000000000000000000000001000100000030000080000000000000000000000000000001000000000048000000584000003c02000000000000000000003c0234000000560053005f00560045005200530049004f004e005f0049004e0046004f0000000000\  bd04effe00000100000000000000000000000000000000003f000000000000000400000002000000000000000000000000000000440000000100560061007200460069006c00650049006e0066006f00000000002400040000005400720061006e0073006c006100740069006f006e00000000000000b0049c01000001005300\  7400720069006e006700460069006c00650049006e0066006f0000007801000001003000300030003000300034006200300000002c0002000100460069006c0065004400650073006300720069007000740069006f006e000000000020000000300008000100460069006c006500560065007200730069006f006e0000000000\  30002e0030002e0030002e003000000034000a00010049006e007400650072006e0061006c004e0061006d0065000000720065006700650078002e0064006c006c0000002800020001004c006500670061006c0043006f0070007900720069006700680074000000200000003c000a0001004f0072006900670069006e006100\  6c00460069006c0065006e0061006d0065000000720065006700650078002e0064006c006c000000340008000100500072006f006400750063007400560065007200730069006f006e00000030002e0030002e0030002e003000000038000800010041007300730065006d0062006c0079002000560065007200730069006f00\  6e00000030002e0030002e0030002e0030000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  002000000c000000703800000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000  WITH PERMISSION\_­SET=SAFE  GO |

Used By

[[dbo].[Email­Check]](#Jx9Lq4JGXtJo/zacLpwO9CPbP/I=)

[[dbo].[Regex]](#EW9ndqj03rC41JZ0yoFqO6ve2KM=)

|  |
| --- |
| Users  A különböző jogosultsági szintek kezeléséhez. |

Objects

|  |
| --- |
| Name |
| [Client](#hagVjHhe2zta3UBZ8nhMon4PsWc=) |
| [ERPConnection](#cfmHeqwqWoGcprEdUDyZPLDmxL4=) |
| [Workrouter­Admin](#jXXQ0unpRg5gTzz1h5hixOEApkU=) |

|  |
| --- |
| Client  Talán ez a legérdekesebb. Alapól semmilyen jogkörrel nem rendelkezik. Csatlakozni tud, de sem táblákhoz, sem tárolt eljárások futtatásához nem fér hozzá alapból. Egy Application Role segítségével, viszont az App sémában lévő tárolt eljárások futtatására jogosult lesz.  Példa a használatára: |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Type | Sql­User |
| Login Name | Client |
| Default Schema | app |

Database Level Permissions

|  |  |
| --- | --- |
| Type | Action |
| CONNECT | Grant |

SQL Script

|  |
| --- |
| CREATE USER [Client] FOR LOGIN [Client] WITH DEFAULT\_­SCHEMA=[app]  GO |

Uses

[app](#CFWsQUdQIvVdO/+z3z+x8xk1IDI=)

|  |
| --- |
| ERPConnection  Adatszinkronizáláshoz lett beépítve, egy esetleges külső ERP integráció számára. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Type | Sql­User |
| Login Name | ERPConnection |
| Default Schema | dbo |

Database Level Permissions

|  |  |
| --- | --- |
| Type | Action |
| CONNECT | Grant |

SQL Script

|  |
| --- |
| CREATE USER [ERPConnection] FOR LOGIN [ERPConnection]  GO |

|  |
| --- |
| Workrouter­Admin  Egy admin felhasználói hozzáférés. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Type | Sql­User |
| Login Name | Workrouter­Admin |
| Default Schema | dbo |

Database Level Permissions

|  |  |
| --- | --- |
| Type | Action |
| CONNECT | Grant |

SQL Script

|  |
| --- |
| CREATE USER [Workrouter­Admin] FOR LOGIN [Workrouter­Admin]  GO |

|  |
| --- |
| Database Roles |

Objects

|  |
| --- |
| Name |
| [Asset­Admin](#v+fRlSMumKU91k/DzF5NigUd/J8=) |
| [Work­Admin](#HzLGFY5nBQ1BWhAe5oeU4ptV/j8=) |
| [Work­Router](#k+AvU/pnNDAhjVfBX+u/5RKph34=) |

|  |
| --- |
| Asset­Admin  Az Asset-ek kezeléséhez szükséges jogkörrel rendelkezik. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

SQL Script

|  |
| --- |
| CREATE ROLE [Asset­Admin]  AUTHORIZATION [dbo]  GO |

|  |
| --- |
| Work­Admin  Az munkák kezeléséhez szükséges jogkörrel rendelkezik. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

SQL Script

|  |
| --- |
| CREATE ROLE [Work­Admin]  AUTHORIZATION [dbo]  GO |

|  |
| --- |
| Work­Router  A munkák kiosztásához szükséges jogkörrel rendelkezik. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

SQL Script

|  |
| --- |
| CREATE ROLE [Work­Router]  AUTHORIZATION [dbo]  GO |

|  |
| --- |
| Application Roles |

Objects

|  |
| --- |
| Name |
| [Client­App­Role](#x1kgI/31/yEefC3q7bzMRHQUAZY=) |

|  |
| --- |
| Client­App­Role  A Client-nél bemutatott AppRole. |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Default Schema | [app](#CFWsQUdQIvVdO/+z3z+x8xk1IDI=) |

SQL Script

|  |
| --- |
| CREATE APPLICATION ROLE [Client­App­Role] WITH PASSWORD = 'p@ssw0rd', DEFAULT\_­SCHEMA = [app]  GO |

Uses

[app](#CFWsQUdQIvVdO/+z3z+x8xk1IDI=)

|  |
| --- |
| Schemas |

Objects

|  |
| --- |
| Name |
| [app](#CFWsQUdQIvVdO/+z3z+x8xk1IDI=) |

|  |
| --- |
| app  *Egy séma a kliens program számára elérhető tárolt eljárásokhoz.* |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | Client­App­Role |

SQL Script

|  |
| --- |
| CREATE SCHEMA [app]  AUTHORIZATION [Client­App­Role]  GO |

Used By

[[app].[Get­Works­By­Worksheet­Number]](#od/hJPCA6Zy1DIuaIBbZPH7HXn8=)

[[app].[Get­Works­By­Worksheet­Number­DE]](#MqdeeAO4sr2aQEIaJWwyTf5EOg0=)

[[app].[Get­Works­By­Worksheet­Number­EN]](#jH+I0FF5I8J767HdMlSEbNhRr9Y=)

[Client](#hagVjHhe2zta3UBZ8nhMon4PsWc=)

[Client­App­Role](#x1kgI/31/yEefC3q7bzMRHQUAZY=)

|  |
| --- |
| Mentési stratégia |

Egy produktív környezetben, amennyiben megfelelő SQL Server licensz elérhető a következő mentési modellt valósítanám meg:

**Napi mentés**  
Teljes mentés minden nap este 23:00-kor.

**Óránkénti mentés**  
Reggel 6 és este 8 óra között óránként egy differenciális tranzakció log kerülne tárolásra. Az adatvesztés minimalizálásnak érdekében.

Az adatok tárolását elkülönítve oldanám meg. - Erre több nagyon szuper lehetősége is van.  
  
Pl. szalagos egységek, eltérő régiókban történő Azure mentési megoldások is elérhetők, a rendelkezésre álló anyagi források, és az elvárt SLA-tól függően.  
  
Általános szabály, hogy az adatok legalább két különböző helyen redundánsan legyenek elérhetőek, és hetente legalább egyszer szükséges egy helyreállítási teszt elvégzése is.  
  
  
**Limitációk (**Sql Server Express**)**  
  
Az ingyenesen SQL Server változtatok sajnos sok korláttal rendelkeznek.  
  
A mentéssel kapcsoltban a legnagyobb hiányosság, hogy *nem elérhető az* **SQL Server Agent**, és az adatbázis kezelése csak Full recovery modell-el valósítható meg.  
  
Így nincs más lehetőségünk, mint külső megoldásokat alkalmazni az időzítésre. Pl. írhatunk Powershell Scripteket, amiket aztán beütemezhetünk a Task Scheduler segítségével.

Linux esetén pedig bash script, és crontab lehet a megfelelő megoldás.

**Záró gondolatok**

Az adatbázisban található adatok a korábban már bemutatott függvények, nézetek, tárolt eljárások segítségével randomizálva készültek.  
  
A CSV fájlok tartalmai publikusan elérhetőek, semmilyen jogvédelem alatt nem állnak, köszhasznú adatok.

Sokat gondolkoztam rajta, hogy tartalmazza-e a dokumentáció ezeket az adatfelöltős részeket, és arra a következtetésre jutottam, hogy a projektmunka részét képezik, mivel nélkülük nem lett volna lehetőség a megtervezett adatbázis hatékonyságának, teljesítményének a tesztelésére.  
  
Egy hasonló méretű projekten általában több különböző csapat dolgozik jó pár hónapon, esetleg éveken keresztűl.

Ez a dokumentáció idő hiányában, és a terjedelme miatt nagy részben egy trial verziós adatgenerátor programmal készült.  
  
<https://www.red-gate.com/products/sql-development/sql-doc/>  
  
  
**[](https://www.red-gate.com/products/sql-development/sql-doc/)**

Minden komolyabb elemet próbáltam részletezni, bemutatni, amit fontosnak gondoltam.   
  
Nagyon sok további ötlet, terv volt a projektmunka megvalósítása során, amik a rendelkezésemre álló idő miatt sajnos tervezési fázisban maradtak, viszont az utolsó pillanatokban beépített LDAP Sync is azt mutatja számomra, hogy ez egy messze nem tökéletes, de véleményem szerint egy jól használható alap.  
  
A továbbiakban mindenképpen tervezem a továbbfejlesztését, optimalizálását, és egy webes keretrendszerben történő megvalósítását.   
  
A legfontosabb rész, amire sajnos nem maradt idő az maga a számlázás, számlakiállítás, vagy egy adott szolgáltatónak az adatok átadása a számlák kiállítására.