

```
function Get-SQLRecompileEventSubClass { param ([int] $EventSubClass)

    switch ($EventSubClass)
    {
        1 { 'Schema Changed' }
        2 { 'Statistics Changed' }
        3 { 'Deferred compile' }
        4 { 'Set Option Changed' }
        5 { 'Temp Table Changed' }
        6 { 'Remote Rowset Changed' }
        7 { 'For Browse Perms Changed' }
        8 { 'Query Notification Environment Changed' }
        9 { 'MPI View Changed' }
        10 { 'Cursor Options Changed' }
        11 { 'With Recompile Option' }
        default {'Unknown'}
    }
}
```

```
function get-ObjectType { param ([int] $ObjectType )
    switch ($ObjectType)
    {
        8259 {'Check Constraint'}
        8260 {'Default (constraint or standalone)'}
        8262 {'Foreign-key Constraint'}
        8272 {'Stored Procedure'}
        8274 {'Rule'}
        8275 {'System Table'}
        8276 {'Trigger on Server'}
        8277 {'(User-defined) Table '}
        8278 {'View '}
        8280 {'Extended Stored Procedure '}
        16724 {'CLR Trigger '}
        16964 {'Database '}
        16975 {'Object '}
        17222 {'FullText Catalog '}
    }
}
```

17232 {'CLR Stored Procedure '}

17235 {'Schema '}

17475 {'Credential '}

17491 {'DDL Event '}

17741 {'Management Event '}

17747 {'Security Event '}

17749 {'User Event '}

17985 {'CLR Aggregate Function'}

17993 {'Inline Table-valued SQL Function '}

18000 {'Partition Function '}

18002 {'Replication Filter Procedure '}

18004 {'Table-valued SQL Function '}

18259 {'Server Role '}

18263 {'Microsoft Windows Group '}

19265 {'Asymmetric Key '}

19277 {'Master Key '}

19280 {'Primary Key '}

19283 {'ObfusKey '}

19521 {'Asymmetric Key Login '}

19523 {'Certificate Login '}

19538 {'Role '}

19539 {'SQL Login '}

19543 {'Windows Login '}

20034 {'Remote Service Binding '}

20036 {'Event Notification on Database'}

20037 {'Event Notification '}

20038 {'Scalar SQL Function '}

20047 {'Event Notification on Object'}

20051 {'Synonym '}

20549 {'End Point '}

20801 {'Adhoc Queries which may be cached'}

20816 {'Prepared Queries which may be cached'}

20819 {'Service Broker Service Queue '}

20821 {'Unique Constraint '}

21057 {'Application Role '}

21059 {'Certificate '}

21075 {'Server '}

21076 {'Transact-SQL Trigger '}

```
21313 {'Assembly '}
21318 {'CLR Scalar Function '}
21321 {'Inline scalar SQL Function '}
21328 {'Partition Scheme '}
21333 {'User '}
21571 {'Service Broker Service Contract '}
21572 {'Trigger on Database'}
21574 {'CLR Table-valued Function '}
21577 {'Internal Table (For example, XML Node Table, Queue Table.) '}
21581 {'Service Broker Message Type '}
21586 {'Service Broker Route '}
21587 {'Statistics '}
(21825 -or 21827 -or 21831 -or 21843 -or 21847) {'User '}
22099 {'Service Broker Service '}
22601 {'Index '}
22604 {'Certificate Login '}
22611 {'XMLSchema'}
22868 {'Type'}
}
```

```
}
```

```
function Get-SPStmtRecompile { param ($myevent)
```

```
    $myevent | select      ApplicationName,  
                        ClientProcessID,  
                        DatabaseID,  
                        DatabaseName,  
                        EventSequence,  
                        EventSubClass,  
                        @{Expression={Get-SQLRecompileEventSubClass  
$_.EventSubClass};Label="EventSubClassDesc"},  
                        GroupID,  
                        HostName,  
                        IntegerData2,  
                        IsSystem,  
                        LineNumber,  
                        LoginName,
```

```
        LoginSID,  
        NestLevel,  
  
    NTDomainName,  
  
    NTUserName,  
  
    ObjectID,  
  
    ObjectName,  
  
    @{Expression={get-ObjectType $_.ObjectType};Label="ObjectType"},  
  
        OffSet,  
  
    RequestID,  
  
    ServerName,  
  
    SessionLoginName,  
  
    SPID,  
  
        SQLHandle,  
  
    @{Expression={[Management.ManagementDateTimeConverter]::ToDateTime($_.StartTime)};Label="StartTime"},  
  
    TextData,  
  
        TransactionID,  
  
        XactSequence
```

```
}
```

```
function Get-SPRecompile { param ($myevent)
```

```
    $myevent | select      ApplicationName,  
                        ClientProcessID,  
                        DatabaseID,  
                        DatabaseName,  
                        @{Expression={Get-SQLRecompileEventSubClass $_.EventSubClass};Label="EventSubClass"},  
                        HostName,  
                        IsSystem,  
                        LoginName,  
                        NTDomainName,  
                        NTUserName,  
                        ObjectID,  
                        ObjectName,  
                        @{Expression={get-ObjectType $_.ObjectType};Label="ObjectType"},  
                        RequestID,
```

ServerName,

SessionLoginName,

SPID,

@{Expression={ [Management.ManagementDateTimeConverter]::ToDateTime(\$\_.StartTime) };Label="StartTime"},

TextData

}