[MS-TDS]: Tabular Data Stream Protocol

> **This topic lists the Errata found in [MS-TDS] since it was last published. Since this topic is updated frequently, we recommend that you subscribe to these RSS or Atom feeds to receive update notifications.**
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Errata below are for Protocol Document Version V28.0 – 2019/11/01.

Errata Published*	Description
2020/03/16	In Section 2.2.7.11, FEATUREEXTACK, the definition of the DATACLASSIFICATION_VERSION field for the DATACLASSIFICATION feature has been revised. Changed from: When the value of the DATACLASSIFICATION_VERSION field is 1, the response in the feature extension acknowledgement contains no version-specific data. Changed to: When the value of the DATACLASSIFICATION_VERSION field is 1 or 2, the response in the feature extension acknowledgement contains no version-specific data.

2020/03/16	In Section 2.2.5.1, General Rules, the definition for ULONGLEN, which is used to define PL_CHUNK in section 2.2.5.2.3, Data Type Dependent Data Streams, has been added:
	
	ULONGLEN: An unsigned 4-byte (32-bit) value representing the length of the associated data. The range is 0 to (2^32)-1.
	
	`    ULONGLEN = 4BYTE`
	
	In Section 2.2.5.5.5.1, Metadata, the DbName parameter has been removed from the ABNF definition of the TVP_COLMETADATA structure.
	
	Changed from:
	<pre>TVP_COLMETADATA definition
	      DbName = B VARCHAR ; Database where TVP type resides
	      fNullable = BIT ; Column is nullable - %x01
	      fCaseSen = BIT ; Column is case-sensitive - %x02
	...</pre>Changed to:
	<pre>TVP_COLMETADATA definition
	
	      fNullable = BIT ; Column is nullable - %x01
	      fCaseSen = BIT ; Column is case-sensitive - %x02
	...</pre>

2020/02/17	In Section 2.2.5.3.3, Trace Activity Header, the ABNF definition of ActivityId has been added.

Errata Published*	Description

	Changed from:
	
	Stream-Specific Rules:
	
	``
	GUID_ActivityID = 16BYTE ; client application activity id
	                                ; used for debugging purposes
	     ActivitySequence = ULONG ; client application activity
	sequence
	                                ; used for debugging purposes
	``
	
	Changed to:
	Stream-Specific Rules:
	
	``
	GUID_ActivityID = 16BYTE ; client application activity id
	                                ; used for debugging purposes
	     ActivitySequence = ULONG ; client application activity sequence
	                                ; used for debugging purposes
	
	     ActivityId = GUID_ActivityID
	                             ActivitySequence
	``
	
	In Section 2.2.6.5, PRELOGIN, the ABNF definition of ACTIVITYID has been added to stream-specific rules and ACTIVITYID has been added to the definition of TRACEID in the PL_OPTION_TOKEN table.
	
	Changed from:
	
	Stream-Specific Rules:
	
	``
	   ...
	   GUID CONNID = 16BYTE ; client application trace id
	                                       ; used for debugging purposes
	   GUID_ActivityID = 16BYTE ; client application activity id
	                                       ; used for debugging purposes
	   ActivitySequence = ULONG ; client application activity
	   sequence
	                                       ; used for debugging purposes
	   ...
	``

PL_OPTION_TOKEN	Value	Description
...	...	...
TRACEID	0x05	```PL_OPTION_DATA = GUID_CONNID`` ``ACTIVITY_GUID`` ``SEQUENCE_ID```
...	...	...

Changed to:
Stream-Specific Rules:

```
   ...
   GUID CONNID      =   16BYTE             ; client application trace id
                                           ; used for debugging purposes
                                           ; introduced in TDS 7.4
   GUID_ActivityID  =   16BYTE             ; client application activity id
```

Errata Published*	Description
	``
                                         ; used for debugging purposes
                                         ; introduced in TDS 7.4
    ActivitySequence =   ULONG   ; client application activity
    sequence
                                         ; used for debugging purposes
                                         ; introduced in TDS 7.4
    ACTIVITYID   =   GUID_ActivityID ; client application activity id
    token
                    ActivitySequence   ; used for debugging purposes
                                         ; introduced in TDS 7.4
    ...
```

| PL_OPTION_TOKEN | Value | Description |
|---|---|---|
| ... | ... | ... |
| TRACEID | 0x05 | ```
PL OPTION DATA = GUID CONNID
                 ACTIVITYID
```<br><br>Introduced in TDS 7.4. |
| ... | ... | ... |
|
| 2019/12/09 | In Section 2.2.5.1.2, Collation Rule Definition, the collation rule definition has been changed from:<br>...<br><br>```
    fBinary2        =   BIT
    ColFlags        =   fIgnoreCase fIgnoreAccent fIgnoreKana
                        fIgnoreWidth fBinary fBinary2 FRESERVEDBIT
                        FRESERVEDBIT
    Version         =   4BIT
```<br><br>...<br><br>Changed to:<br>...<br><br>```
    fBinary2        =   BIT
    fUTF8           =   BIT
    ColFlags        =   fIgnoreCase fIgnoreAccent fIgnoreKana
                        fIgnoreWidth fBinary fBinary2 fUTF8
                        FRESERVEDBIT
    Version         =   4BIT
```<br><br>... |

*Date format: YYYY/MM/DD