

Reference: JSONWebTokenErrorState

Last updated by | Vitor Tomaz | Oct 20, 2022 at 3:41 AM PDT

JSONWebTokenErrorState can be seen at **error_state** under **MonFedAuthTicketService** for event == **'fedauth_webtoken_failure'**

The correlation with MonLogin can made via:

MonLogin.connection_id == MonFedAuthTicketService.sql_connection_id

```
MonFedAuthTicketService
| where event == 'fedauth_webtoken_failure'
| project sql_connection_id, JSONWebTokenErrorState = error_state, error_message
```

State	Code	Is user error	TSG
0	esDefault		
1	esTokenHeaderInvalidTokenType	Yes	
2	esTokenHeaderInvalidSignatureAlgorithm	Yes	
3	esEvoSTSUrlLookupInvalid		
4	esOidToGUIDConversionError	Yes	
5	esTokenAudienceInvalid		
6	esTokenDecodeBase64HeaderFailed	Yes	
7	esTokenDecodeBase64PayloadFailed	Yes	
8	esTokenDecodeBase64SignatureFailed	Yes	
9	esTokenExpired	Yes	
10	esTokenFailedConvertToBinaryRetrieveLength	Yes	
11	esTokenFailedConvertToBinary	Yes	
12	esTokenFirstDotNotFound	Yes	
13	esTokenHeaderNotFound	Yes	
14	esTokenIssuerInvalid	Yes	
15	esTokenJSONParsingFailed	Yes	
16	esTokenNotBeforeError	Yes	
17	esTokenNullAudienceClaim	Yes	
18	esTokenNullIssuerClaim	Yes	
19	esTokenNullOidClaim	Yes	
20	esTokenNullPrincipalClaim	Yes	

State	Code	Is user error	TSG
21	esTokenPaddedIncorrect	Yes	
22	esTokenPayloadNotFound	Yes	
23	esTokenPrimaryAADTenantLookupInvalid		
24	esTokenReceivedNull	Yes	
25	esTokenSecondDotNotFound		
26	esTokenSignatureNotFound	Yes	
27	esTokenSignatureValidationFailed	Yes	
28	esTokenWideCharToMultiByteForSigningInputFailed	Yes	
29	esTokenExtractPropertyValueFailed	Yes	
30	esTokenAADPublicKeyDownloadHttpOpenFailed		
31	esTokenAADPublicKeyDownloadHttpConnectFailed		
32	esTokenAADPublicKeyDownloadHttpOpenRequestFailed		
33	esTokenAADPublicKeyDownloadHttpSendRequestFailed		
34	esTokenAADPublicKeyDownloadHttpReceiveResponseFailed		
35	esTokenAADPublicKeyDownloadHttpQueryDataAvailableFailed		
36	esTokenAADPublicKeyDownloadHttpReadDataAvailableFailed		
37	esTokenAADPublicKeyExtractSigning		
38	esTokenAADPublicKeyCryptStringToBinaryFetchLengthFailed	Yes	
39	esTokenAADPublicKeyCryptStringToBinaryFailed	Yes	
40	esTokenAADPublicKeyConstructPublicKeyCertInitFromBytesFailed	Yes	
41	esTokenAADPublicKeyCompareCertThumbprintGetThumbprint1SizeFailed	Yes	

State	Code	Is user error	TSG
42	esTokenAADPublicKeyCompareCertThumbprintGetThumbprint1Failed	Yes	
43	esTokenAADPublicKeyCompareCertThumbprintGetThumbprint2SizeFailed	Yes	
44	esTokenAADPublicKeyCompareCertThumbprintGetThumbprint2Failed	Yes	
45	esTokenValidateSignatureGetCryptoContextFailed		
46	esTokenValidateSignatureInitAlgHandleFailed		
47	esTokenValidateSignatureHashDataFailed		
48	esTokenValidateSignatureGetHashValueFailed		
49	esTokenFetchPublicKeyFromAADCertFailed		
50	esTokenVerifySignatureFailed	Yes	
51	esTokenNoObjectIdClaim	Yes	
52	esTokenSignatureThumprintNoMatch	Yes	
53	esTokenSignatureThumprintNoMatchRefreshAborted		
54	esTokenSignatureThumprintNoMatchEvenAfterRefresh	Yes	
55	esTokenSignatureGetCertificateContextFailed		
56	esTokenSignatureInitCertificateContextFailed		
57	esTokenFederationMetadataSecurityTokenServiceTypeNotPresent		
58	esTokenFederationMetadataExhaustAfterSecurityTokenServiceDescriptor		
59	esTokenFederationMetadataSigningKeyDescriptorNotFound		
60	esTokenFederationMetadataExhaustAfterSigningKeyDescriptor		
61	esTokenFederationMetadataX509CertificateNotFound		
62	esTokenFederationMetadataX509CertificateEndNotFound		

State	Code	Is user error	TSG
63	esTokenFederationMetadataExhaustAfterX509Certificate		
64	esTokenExtractSigningKeysConverToWideCharFailed		
65	esTokenTryRefreshSigningKeysGetThumbprintFailed		
66	esTokenTryRefreshSigningKeysFoundNoDifference		
67	esTokenTryRefreshSigningKeysUpdated		
68	esOnBehalfOfTokenCertNameConfigLookup		
69	esOnBehalfOfTokenCertStoreOpen		
70	esOnBehalfOfTokenCreateAuthenticationContext		
71	esOnBehalfOfTokenADALAcquireToken		
72	esOnBehalfOfTokenADALGetAccessToken		
73	esOnBehalfOfTokenCertCryptHashGetLength		
74	esOnBehalfOfTokenCertCryptHash		
75	esOnBehalfOfTokenCertCryptBinaryToHexGetLength		
76	esOnBehalfOfTokenCertCryptBinaryToHex		
77	esTokenLookupServerAdminSidFailed		
78	esOnBehalfOfTokenDidNotReceiveADALNeedCredential		
79	esOnBehalfOfTokenADALUseClientCredentialWithUserTokenFailed	Yes	
80	esAADTenantSpecificSQLServicePrincipalClientIdLookupFailed		
81	esAADTenantSpecificSQLServicePrincipalCreateAuthenticationContext		
82	esCertNameConfigLookup		
83	esTokenBase64UrlEncodeConvertToStringRetrieveLengthFailed		

State	Code	Is user error	TSG
84	esTokenBase64UrlEncodeFailedConvertToBinary		
85	esTokenPrimaryAADTenantNotSet		
86	esTokenServerAdminSidNotSet		
87	esAADGraphEndPointLookupInvalid		
88	esTokenAcrlInvalid		
89	esOnBehalfOfTokenSetRefreshTokenFailed		
90	esTokenSynapseMetastoreAADTenantNotSet		
91	esOnBehalfOfTokenADALSetOption		
92	esOnBehalfOfTokenADALSetClientAssertionUsingCertificateThumbprint		
93	esGetAccessTokenADALSetOption		
94	esGetAccessTokenADALSetClientAssertionUsingCertificateThumbprint		
300	esTokenNoMemoryStateStart		
301	esTokenNoMemoryClaimSet		
302	esTokenNoMemoryClaimName		
303	esTokenNoMemoryClaimValue		
304	esTokenNoMemoryConvertBase64UrlToUnicodeDecodedToken		
305	esTokenNoMemoryStringClaimValue		
306	esTokenNoMemoryGroupClaimValue		
307	esTokenNoMemoryClaim		
308	esTokenNoMemoryJwtHeader		
309	esTokenNoMemoryJwtPayload		

State	Code	Is user error	TSG
310	esTokenNoMemoryJwtTicket // 310		
311	esTokenNoMemorySigningInput		
312	esTokenNoMemorySignatureReversed		
313	esTokenNoMemoryFetchSigningkeyOutBuffer		
314	esTokenNoMemoryFetchSigningkeyTempBuffer		
315	esTokenNoMemoryExtractSigningKeysFindKeyStart		
316	esTokenNoMemoryExtractSigningKeys		
317	esTokenNoMemoryExtractSigningKeysCertificate		
318	esTokenNoMemoryExtractSigningKeysTempBuffer		
319	esTokenNoMemoryConstructPublicKeyCertBytesLocal		
320	esTokenNoMemoryCreateAADPublicKeyCert1		
321	esTokenNoMemoryCreateAADPublicKeyCert2		
322	esTokenNoMemoryCompareThumbprintsThumbprint1		
323	esTokenNoMemoryCompareThumbprintsThumbprint2		
324	esTokenNoMemoryReadValidateTokenSigningInput		
325	esTokenNoMemoryHardCodedSidClaimName		
326	esTokenNoMemoryHardCodedSidClaimValue		
327	esTokenNoMemoryHardCodedSidClaimValueString		
328	esTokenNoMemoryHardCodedSidClaim		
329	esTokenNoMemoryUrlReplacedString		
330	esTokenNoMemoryModifiedStringCase0		

State	Code	Is user error	TSG
331	esTokenNoMemoryModifiedStringCase2		
332	esTokenNoMemoryModifiedStringCase3		
333	esTokenNoMemoryExpectedIssuer		
334	esTokenNoMemorySplitTokenPart0		
335	esTokenNoMemorySplitTokenPart1		
336	esTokenNoMemorySplitTokenPart2		
337	esTokenNoMemoryValidateSignaturePublicKey		
338	esTokenNoMemoryValidateSignatureCSECHash		
339	esTokenNoMemoryValidateSignatureCSECCertificate		
340	esTokenNoMemoryFetchPopulateSigningKeysThumbprint		
341	esTokenNoMemoryFFindCertificateInArrayThumbprint		
342	esOnBehalfOfTokenNoMemory		
343	esOnBehalfOfTokenErrorStringNoMemory		
344	esOnBehalfOfTokenCertThumbprintNoMemory		
345	esOnBehalfOfTokenCertCryptBinaryToHexNoMemory		
346	esTokenBase64UrlEncodeNoMemoryForBase64EncodedString		
347	esTokenBase64UrlEncodeNoMemoryForPadCharacterSplit		
348	esTokenNoMemoryTenantIdFabricLookup		
349	esTokenNoMemoryAADGraphEndPointLookup		
350	esTokenNoMemoryAcresClaimValue		
351	esTokenAADPublicKeyDownloadHttpQueryDataAvailableSuccessWithZeroSize		

State	Code	Is user error	TSG
352	esJWTGeneratorBuildClaimNoMemory		
353	esJWTGeneratorBuildGuidArrayNoMemory		
354	esJWTGeneratorAppendClaimNoMemory		
355	esJWTGeneratorSigningInputNoMemory		
356	esJWTGeneratorHashNoMemory		
357	esJWTGeneratorPrivateKeyNoMemory		
358	esJWTGeneratorSignatureNoMemory		
359	esJWTGeneratorTokenHeaderNoMemory		
360	esJWTGeneratorCertificateThumbprintNoMemory		
361	esJWTGeneratorTokenPayloadNoMemory		
362	esJWTGeneratorTokenHeaderBytesNoMemory		
363	esJWTGeneratorTokenPayloadBytesNoMemory		
364	esJWTGeneratorTokenNoMemory		
365	esGetAccessTokenUsingSecretErrorMsgNoMemory		
366	esSynapseStreamingAADLoginNotSet		
367	esSynapseStreamingAADTenantNotSet		
368	esRefreshTokenNoMemory		
369	esGetAccessTokenFromAzureVMManagedIdentityFailed		
370	esGetRefreshTokenFromAzureVMManagedIdentityNotSupported		
371	esNspGuidBufferOverflowError		
372	esTokenNoMemoryExpectedMigrationIssuer		

State	Code	Is user error	TSG
373	esTokenExpectedMigrationTenantNotSet		
374	esTokenExpectedMigrationTenantNotGuid		
375	esTokenIssuerForMigrationInvalid		

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