

## [MS-PAC]: Privilege Attribute Certificate Data Structure

This topic lists the Errata found in [MS-PAC] 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.



Errata are subject to the same terms as the Open Specifications documentation referenced.

Errata below are for Protocol Document Version [V19.0 – 2018/09/12](#).

Errata Published*	Description																		
2020/11/10	<p>In Section 2.4 PAC_INFO_BUFFER, added ulType Ticket checksum to the table of values.</p> <p>Changed from:</p> <table border="1" data-bbox="418 779 1412 1094"> <thead> <tr> <th>Value</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>0x00000001</td> <td>Logon information (section 2.5). PAC structures MUST contain one buffer of this type. Additional logon information buffers MUST be ignored.</td> </tr> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>0x0000000F</td> <td>Device claims information (section 2.13). PAC structures SHOULD NOT&lt;6&gt; contain more than one buffer of this type. Additional device claims information buffers MUST be ignored.</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="418 1203 1412 1619"> <thead> <tr> <th>Value</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>0x00000001</td> <td>Logon information (section 2.5). PAC structures MUST contain one buffer of this type. Additional logon information buffers MUST be ignored.</td> </tr> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>0x0000000F</td> <td>Device claims information (section 2.13). PAC structures SHOULD NOT&lt;6&gt; contain more than one buffer of this type. Additional device claims information buffers MUST be ignored.</td> </tr> <tr> <td>0x00000010</td> <td>Ticket checksum (section 2.8). PAC structures SHOULD NOT contain more than one buffer of this type. Additional ticket checksum buffers MUST be ignored.</td> </tr> </tbody> </table> <p>In Section 2.8.3 Ticket Signature, added new section.</p> <p>Changed to:</p> <p>2.8.3 Ticket SignatureThe ticket signature is generated by the issuing KDC and depends on the cryptographic algorithms available to the KDC. The ulType field of the PAC_INFO_BUFFER structure (section 2.4) corresponding to the ticket signature will contain the value 0x00000010. The SignatureType MUST match the SignatureType in the KDC signature and</p>	Value	Meaning	0x00000001	Logon information (section 2.5). PAC structures MUST contain one buffer of this type. Additional logon information buffers MUST be ignored.	...	...	0x0000000F	Device claims information (section 2.13). PAC structures SHOULD NOT<6> contain more than one buffer of this type. Additional device claims information buffers MUST be ignored.	Value	Meaning	0x00000001	Logon information (section 2.5). PAC structures MUST contain one buffer of this type. Additional logon information buffers MUST be ignored.	...	...	0x0000000F	Device claims information (section 2.13). PAC structures SHOULD NOT<6> contain more than one buffer of this type. Additional device claims information buffers MUST be ignored.	0x00000010	Ticket checksum (section 2.8). PAC structures SHOULD NOT contain more than one buffer of this type. Additional ticket checksum buffers MUST be ignored.
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	<p>the key used MUST be the same. The Key Usage Value MUST be KERB_NON_KERB_CKSUM_SALT [17] ([MS-KILE] section 3.1.5.9). The KDC will use KDC (krbtgt) key [RFC4120], so that other KDCs can verify this signature on receiving a PAC.</p> <p>...</p>														
2020/06/08	<p>In Section 4.1.2.2, SID Filtering and Claims Transformation, added Member trust boundary type.</p> <p>Changed from:</p> <table border="1" data-bbox="418 569 1414 877"> <thead> <tr> <th>Trust boundary type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>WithinDomain</td> <td>Within a domain, each domain controller trusts every other domain controller. Added Member trust boundary type</td> </tr> <tr> <td>WithinForest</td> <td>Within a forest, there are parent/child trust relationships and shortcut trust relationships between the domains in the forest. Each domain controller trusts every other domain controller within the forest.</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="418 989 1414 1396"> <thead> <tr> <th>Trust boundary type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Member</td> <td>The member trust boundary type member boundary filters SIDs that are in the AlwaysFilter group as well as anything that has the prefix of the member server.</td> </tr> <tr> <td>WithinDomain</td> <td>Within a domain, each domain controller trusts every other domain controller.</td> </tr> <tr> <td>WithinForest</td> <td>Within a forest, there are parent/child trust relationships and shortcut trust relationships between the domains in the forest. Each domain controller trusts every other domain controller within the forest.</td> </tr> </tbody> </table>	Trust boundary type	Description	WithinDomain	Within a domain, each domain controller trusts every other domain controller. Added Member trust boundary type	WithinForest	Within a forest, there are parent/child trust relationships and shortcut trust relationships between the domains in the forest. Each domain controller trusts every other domain controller within the forest.	Trust boundary type	Description	Member	The member trust boundary type member boundary filters SIDs that are in the AlwaysFilter group as well as anything that has the prefix of the member server.	WithinDomain	Within a domain, each domain controller trusts every other domain controller.	WithinForest	Within a forest, there are parent/child trust relationships and shortcut trust relationships between the domains in the forest. Each domain controller trusts every other domain controller within the forest.
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2019/09/02	<p>In Section 3.1, Logon Authorization Information, the string format for two SIDs has been changed from:</p> <p>S-1-5-397955417-626881126-188441444</p> <p>Changed to:</p> <p>S-1-5-21-397955417-626881126-188441444</p> <p>Changed from:</p> <p>S-1-5-397955417-626881126-188441444-3392609</p> <p>Changed to:</p>														

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\*Date format: YYYY/MM/DD