[MS-ADTS]: Active Directory Technical Specification

Change notes (v20091022):

1. Deleted text is shown in ~~red strikethrough~~.
2. New text is shown in **green bold**.

7.3.3.2 Domain Controller Response to an LDAP Ping

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Flags:

- Bit values are taken from DS_FLAGS in section 7.3.1.2.

- If the server holds the PDC FSMO role (see section 3.1.1.1.11), the DS_PDC_FLAG bit is set.

- If the server is a global catalog server, the DS_GC_FLAG bit is set. This bit is set if and only if the isGlobalCatalogReady attribute on the rootDSE is true (see section 3.1.1.3.2.10).

- If the server is a KDC, the DS_KDC_FLAG bit is set.

- If the server hosts the Win32 Time Service, as specified in [MS-W32T] **and indicated by bit field A in the ServiceBits flag in [MS-NRPC]**, the DS_TIMESERV_FLAG bit is set.

- If the server is in the same site as the client, the DS_CLOSEST_FLAG bit is set.

- If the server is not an RODC, the DS_WRITABLE_FLAG bit is set. [MS-DRSR] section 5.7, AmIRODC, explains how to determine if a DC is an RODC.

- If the server is configured to be a reliable time source (the way in which the configuration can be done is outside the scope of the state model and is implementation-dependent) **as indicated by bit field B in the ServiceBits flag in [MS-NRPC],** the DS_GOOD_TIMESERV_FLAG bit is set.

- If the DnsDomain value specified in the search filter is an application NC, the DS_NDNC_FLAG bit is set.

- If the server is an RODC, the DS_SELECT_SECRET_DOMAIN_6_FLAG bit is set.

- If the server is a writable DC and not running Windows Server® 2003 operating system or Microsoft Windows® 2000 Server operating system, the DS_FULL_SECRET_DOMAIN_6_FLAG bit is set.

- If the server ~~hosts~~ **is running** the Active Directory Web Service, as specified in [MS-ADDM] **and indicated by the bit field C in the ServiceBits flag in [MS-NRPC],** the DS_WS_FLAG bit is set.

- ~~If the server has a DNS name, the DS_DNS_CONTROLLER_FLAG bit is set.~~

- ~~If the DnsDomain value specified in the search filter is the DNS name of the default NC, the DS_DNS_DOMAIN_FLAG bit is set.~~

- ~~If the DnsDomain value specified in the search filter is the forest name, the DS_DNS_FOREST_FLAG bit is set.~~

- Always set the DS_LDAP_FLAG and DS_DS_FLAG bits.

- All the other bits of DS_FLAG are set to 0.

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