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# Resource - domaincontroller

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## About this Resource

The **Active Directory Domain Controller** resource contains settings for the domain controllers used by the [Active Directory Configuration](#).




## REST API Methods for this Resource

- GET domaincontroller
- GET domaincontroller id
- POST domaincontroller id
- PUT domaincontroller id
- DELETE domaincontroller id

## Resource Schema

### Configuration

Parameter Name	Required	Service Affecting	Data Type	Default Value	Possible Values	Description
Description	Yes	No	string	none	64 - Max Length	The description of the Domain Controller that will be referenced by the <a href="#">Active Directory Configuration</a> resource.
LDAPQuery	Yes	No	string	none	256 - Max Length	Applies a filter to the <b>Search Scope</b> (defined in the <a href="#">Active Directory Configuration</a> resource) to limit the number of active directory users included in the cache.
SearchScope	Yes	No	string	none	256 - Max Length	Specifies the tree location in Active Directory to use at the starting point for search queries or authentication requests.
LdapTimeout	No	No	int	5	Possible values: <ul style="list-style-type: none"><li>• 5 - Minimum</li><li>• 15 - Maximum</li></ul>	Controls the timeout value used when querying the domain controller. If there is no response before this timeout value has passed then the attempt will be aborted for that session. Note: this should only be changed from the default of 5 seconds if it has been determined to not be enough.
DomainController	Yes	No	string	none	256 - Max Length	Specifies an IP address or Fully Qualified Domain Name (FQDN) of the Domain Controller.
PreferredIpVersion	Yes	No	Enum	0	Possible values: <ul style="list-style-type: none"><li>• 0 - ePreferIPv4</li><li>• 1 - ePreferIPv6</li></ul>	Specifies whether the FQDN should be resolved into IPv4 addresses or IPv6 addresses.
UserName	Yes	No	string	none	256 - Max Length	Specifies username (BindDN) to use for querying the Active Directory.
EncryptedPassword	Yes	No	string	none	256 - Max Length	Specifies password (BindPW) to use for querying the Active Directory.

<b>DCPriority</b>	Yes	Yes	int	0	Possible values: <ul style="list-style-type: none"> <li>• 0 - Minimum</li> <li>• 5 - Maximum</li> </ul>	Sets the priority of the DC which determines in what order AD will be queried. <div style="border: 1px solid yellow; padding: 5px; margin: 5px 0;">  This has no affect when using the AD cache.         </div> <div style="border: 1px solid yellow; padding: 5px; margin: 5px 0;">  Each DC type (Auth and call routing) have their own set of priorities.         </div> <div style="border: 1px solid yellow; padding: 5px; margin: 5px 0;">  Priority of 0 indicates not configured. Set a valid priority.         </div>
<b>DCType</b>	Yes	No	Enum	0	Possible values: <ul style="list-style-type: none"> <li>• 0 - eDCAuth</li> <li>• 1 - eDCCallRoute</li> <li>• 2 - eDCOnPrem</li> </ul>	Determines whether this DC will be used for user authentication, call routing or On Premise lookup.
<b>DCRole</b>	Yes	No	Enum	0	Possible values: <ul style="list-style-type: none"> <li>• 0 - eADPrimary</li> <li>• 1 - eADBackup</li> </ul>	Indicates if this DC is intended to be a backup of another DC. If this value is set to Backup then this DC will not be queried while refreshing the AD cache or for call route lookups unless the primary DC is down. Applies to Call Route DC's only.
<b>PrimaryDCRow</b>	Yes	No	int	0	Possible values: <ul style="list-style-type: none"> <li>• 0 - Minimum</li> <li>• 7 - Maximum</li> </ul>	This option only visible if DCRole is set to Backup. Must be a valid row number of another DC which this DC is intended to be a backup to. This value automatically set to 0 if DCRole is set to Primary. Applies to Call Route DC's only.

## Runtime

Parameter Name	Description	Data Type	Possible Values
<b>rt_ADStatus</b>	Reports the up/down state of the Domain Controller.	Enum	Possible values: <ul style="list-style-type: none"> <li>• 0 - eADUp</li> <li>• 1 - eADDown</li> </ul>

<b>rt_CacheStatus</b>	Reports the current cache status of the Domain Controller	Enum	Possible values: <ul style="list-style-type: none"> <li>• 0 - eCacheDisabled</li> <li>• 1 - eCacheBuilding</li> <li>• 2 - eCacheUpdating</li> <li>• 3 - eCacheActive</li> <li>• 4 - eCacheFailed</li> <li>• 5 - eCacheBackup</li> <li>• 6 - eCacheTruncated</li> <li>• 7 - eCacheNotApplicable</li> <li>• 8 - eCacheIncomplete</li> <li>• 9 - eCacheLoading</li> <li>• 10 - eCacheBackupTrunc</li> </ul>
<b>rt_BackupStatus</b>	Reports the current backup status of the Domain Controller.	Enum	Possible values: <ul style="list-style-type: none"> <li>• 0 - eBackupSuccessful</li> <li>• 1 - eBackupFailed</li> <li>• 2 - eBackupDisabled</li> <li>• 3 - eBackupNotApplicable</li> <li>• 4 - eBackupTruncated</li> <li>• 5 - eBackupUpdating</li> </ul>