



# Windows AD サーバ用の AWS セキュリティグループの設定 Cloud Manager

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# Windows AD サーバ用の AWS セキュリティグループの設定

クラウドボリュームで Windows Active Directory （ AD ）サーバを使用する場合は、AWS セキュリティグループの設定に関するガイダンスを確認しておく必要があります。この設定により、クラウドボリュームがAD に正しく統合されます。

デフォルトでは、 EC2 Windows インスタンスに適用されている AWS セキュリティグループには、 RDP 以外のプロトコルのインバウンドルールは含まれていません。Cloud Volumes Service からのインバウンド通信を有効にするには、各 Windows AD インスタンスに接続されているセキュリティグループにルールを追加する必要があります。必要なポートは次のとおりです。

| サービス        | ポート  | プロトコル |
|-------------|------|-------|
| AD Web サービス | 9389 | TCP   |
| DNS         | 53   | TCP   |
| DNS         | 53   | UDP   |
| ICMPv4      | 該当なし | エコー応答 |
| Kerberos    | 464  | TCP   |
| Kerberos    | 464  | UDP   |
| Kerberos    | 88   | TCP   |
| Kerberos    | 88   | UDP   |
| LDAP        | 389  | TCP   |
| LDAP        | 389  | UDP   |
| LDAP        | 3268 | TCP   |
| NetBIOS 名   | 138  | UDP   |
| SAM/LSA     | 445  | TCP   |
| SAM/LSA     | 445  | UDP   |
| セキュアな LDAP  | 636  | TCP   |
| セキュアな LDAP  | 3269 | TCP   |
| W32 時間      | 123  | UDP   |

AWS EC2 インスタンスに AD インストールドメインコントローラとメンバーサーバを導入して管理する場合は、Cloud Volumes Service のトラフィックを許可するセキュリティグループのルールがいくつか必要になります。以下は、AWS CloudFormation テンプレートの一部として AD アプリケーションにこれらのルールを実装する方法の例です。

```
{
  "AWSTemplateFormatVersion" : "2010-09-09",
  "Description" : "Security Group for AD",
  "Parameters" :
```

```

{
  "VPC" :
  {
    "Type" : "AWS::EC2::VPC::Id",
    "Description" : "VPC where the Security Group will belong:"
  },
  "Name" :
  {
    "Type" : "String",
    "Description" : "Name Tag of the Security Group:"
  },
  "Description" :
  {
    "Type" : "String",
    "Description" : "Description Tag of the Security Group:",
    "Default" : "Security Group for Active Directory for CVS "
  },
  "CIDRrangeforTCPandUDP" :
  {
    "Type" : "String",
    "Description" : "CIDR Range for the UDP ports
445,138,464,389,53,123 and for the TCP ports
464,339,3389,3268,88,636,9389,445 and 0-65535: *CIDR range format:
10.0.0.0/24"
  }
},
"Resources" :
{
  "ADSGWest" :
  {
    "Type" : "AWS::EC2::SecurityGroup",
    "Properties" :
    {
      "GroupDescription" : {"Ref" : "Description"},
      "VpcId" : { "Ref" : "VPC" },
      "SecurityGroupIngress" : [
        {
          "IpProtocol" : "udp",
          "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
          "FromPort" : "445",
          "ToPort" : "445"
        },
        {
          "IpProtocol" : "udp",
          "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
          "FromPort" : "138",

```

```
        "ToPort" : "138"
    },
    {
        "IpProtocol" : "udp",
        "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
        "FromPort" : "464",
        "ToPort" : "464"
    },
    {
        "IpProtocol" : "tcp",
        "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
        "FromPort" : "464",
        "ToPort" : "464"
    },
    {
        "IpProtocol" : "udp",
        "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
        "FromPort" : "389",
        "ToPort" : "389"
    },
    {
        "IpProtocol" : "udp",
        "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
        "FromPort" : "53",
        "ToPort" : "53"
    },
    {
        "IpProtocol" : "tcp",
        "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
        "FromPort" : "339",
        "ToPort" : "339"
    },
    {
        "IpProtocol" : "udp",
        "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
        "FromPort" : "123",
        "ToPort" : "123"
    },
    {
        "IpProtocol" : "tcp",
        "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
        "FromPort" : "3389",
        "ToPort" : "3389"
    },
    {
        "IpProtocol" : "tcp",
```

```
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "3268",
    "ToPort" : "3268"
  },
  {
    "IpProtocol" : "tcp",
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "88",
    "ToPort" : "88"
  },
  {
    "IpProtocol" : "tcp",
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "636",
    "ToPort" : "636"
  },
  {
    "IpProtocol" : "tcp",
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "3269",
    "ToPort" : "3269"
  },
  {
    "IpProtocol" : "tcp",
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "53",
    "ToPort" : "53"
  },
  {
    "IpProtocol" : "tcp",
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "0",
    "ToPort" : "65535"
  },
  {
    "IpProtocol" : "tcp",
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "9389",
    "ToPort" : "9389"
  },
  {
    "IpProtocol" : "tcp",
    "CidrIp" : {"Ref" : "CIDRrangeforTCPandUDP"},
    "FromPort" : "445",
    "ToPort" : "445"
  }
}
```

```
        ]
      }
    },
    "Outputs" :
    {
      "SecurityGroupID" :
      {
        "Description" : "Security Group ID",
        "Value" : { "Ref" : "ADSGWest" }
      }
    }
  }
}
```

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