



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

Tom Onacki
March 22, 2021

This PDF was generated from https://docs.netapp.com/ja-jp/occm/reference_security_groups_windows_ad_servers.html on June 10, 2021. Always check docs.netapp.com for the latest.

目次

Windows AD サーバ用の AWS セキュリティグループの設定	1
--	---

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" }
      }
    }
  }
}
```

Copyright Information

Copyright © 2021 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.