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**Optum TransitHub VPN**

Site to Site Virtual Private Network (VPN) Worksheet

Rev: Jan 2021

# Optum TransitHub Worksheet

# IPSec Phase 1 – Internet Key Exchange (IKE)

|  |  |
| --- | --- |
| **Parameter** | **Available Options** |
| **Authentication** | PRE-SHARED KEY  (verbal on the phone) - provided by Optum |
| **Authentication Algorithm** | SHA-1, SHA256 or higher recommended |
| **Encryption** | AES128,AES192,AES256 |
| **Diffie Hellman Group** | Group 14 or higher recommended |
| **Negotiation Mode** | Main Mode |
| **Lifetime** | 86400 seconds |

# IPSec Phase 2 – Security Association

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| **Parameter** | **Available Options** |
| **Security Protocol** | ESP Only |
| **Authentication Algorithm** | SHA-1 or higher |
| **Encryption** | AES128,AES192, AES256, AES128CCM16 |
| **PFS DH Group** | Group 14 or higher recommended |
| **Encapsulation Mode** | Tunnel IPsec |
| **Perfect Forward Secrecy** | Disabled |
| **DH Group** | No PFS |
| **SA Lifetime** | 28800 (8 hours) |
| **NAT – Traversal** | Enabled |

# VPN Configuration for Production TransitHub

| **Category** | **Provider** | **Customer** |
| --- | --- | --- |
| **Organization Name** | **Optum** |  |
| **Street 1** | Corporate Address |  |
| **Street 2** |  |  |
| **City, State, Zip** | MN |  |
| **Equipment Make/Model/SW Version** | PaloAlto VM Series |  |
| **Public Peer IP address** | 40.76.147.19 |  |
|  | |  |

VPN NAT Rules will vary depending on customer specific configuration.

**NAT Inbound to Optum**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source IP | Source NAT IP | Destination NAT IP | Destination IP | Port | Application |
| 203.16.52.71 | 10.225.215.44 | 52.226.152.18 | 10.225.234.6 | 11111 | Sample App inbound |
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**NAT Outbound from Optum**

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| --- | --- | --- | --- | --- | --- |
| Source IP | Source NAT IP | Destination NAT IP | Destination IP | Port | Application |
| 10.225.234.6 | 52.226.152.18 | 10.225.216.44 | 203.16.52.71 | 22222 | Sample App outbound |
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# Contact Information

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| **Category** | **Optum** | **Customer** |
| **Project Point of Contact** | Optum VPN Coordinator |  |
| **Technical Contact** |  |  |
| **Production Contact** |  |  |
| **Notifications and Alerts Contact** |  |  |

**Notes**

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