# Frame on AHV Ports/Protocols Summary
# FGA 7
# without SGA

| Source to Destination | Source IP address | Destination FQDN(s) | Protocol:port |
|---|---|---|---|
| Cloud Connector Appliance (CCA) to Frame Platform<br><br>Workload Cloud Connector Appliance (WCCA) to Frame Platform | Public IP address (NAT from private IP address), as seen by Frame Platform | • console.nutanix.com<br>• cpanel-backend.console.nutanix.com<br>• gateway-external-api.console.nutanix.com<br>• cch.console.nutanix.com | • tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS, Secure Web Socket) |
| Prism Central to Frame Platform | Private IP address within VLAN | • downloads.frame.nutanix.com | • tcp/443 (HTTPS) |
| WCCA to Workload VMs (Sandbox VM, Production VMs) | Private IP address within VLAN | • Private IP addresses within VLAN | • tcp/8112 (HTTPS) |
| CCA to Prism Central | Private IP address or static private IP address | • Prism Central IP address | • tcp/443 (HTTPS) |
| CCA to Prism Element (on node where profile and personal disks are used) | Private IP address | • Prism Element IP address | • tcp/443 (HTTPS) |
| Workload VMs to Frame Platform | Public IP address (NAT from private IP address), from perspective of Frame Platform | • gateway-external-api.console.nutanix.com<br>• img.frame.nutanix.com<br>• img.console.nutanix.com<br>• prod-kds-5683567dcbd60804cb34.s3.us-east-1.amazonaws.com<br>• prod-sup-5683567dcbd60804cb34.s3.us-east-1.amazonaws.com<br>• downloads.console.nutanix.com<br>• logs-01.loggly.com (for event logging) | • tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/6514 (TLS) |
| End user to Frame Platform | Public IP address (NAT from private IP address if end user in private network), from perspective of Frame Platform | • console.nutanix.com<br>• img.console.nutanix.com<br>• cpanel-backend-prod.frame.nutanix.com<br>• prod-cpa-5683567dcbd60804cb34.s3.us-east-1.amazonaws.com<br>• terminal-prod.frame.nutanix.com<br>• login.frame,nutanix.com (for Frame IdP, if used)<br>• logs-01.loggly.com (for event logging) | • tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/443 (HTTPS)<br>• tcp/6514 (TLS) |
| End user to Workload VM | Private IP address | • *.nutanixframe.com or *.nutanix-frame.com resolving to private IP address within VLAN | • tcp/443 (HTTPS, Secure Web Socket) |

Notes:
1. Orange rows identify communication paths that traverse the public-private network boundary.