

## ZIPLINE, Software S1114 | MITRE ATT&CK®

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Domain	ID	Name	Use
Enterprise	<a href="#">T1059</a> .004	<a href="#">Command and Scripting Interpreter: Unix Shell</a>	<a href="#">ZIPLINE</a> can use <code>/bin/sh</code> to create a reverse shell and execute commands. <sup>[1]</sup>
Enterprise	<a href="#">T1573</a> .001	<a href="#">Encrypted Channel: Symmetric Cryptography</a>	<a href="#">ZIPLINE</a> can use AES-128-CBC to encrypt data for both upload and download. <sup>[2]</sup>
Enterprise	<a href="#">T1083</a>	<a href="#">File and Directory Discovery</a>	<a href="#">ZIPLINE</a> can find and append specific files on Ivanti Connect Secure VPNs based upon received commands. <sup>[1]</sup>
Enterprise	<a href="#">T1562</a> .001	<a href="#">Impair Defenses: Disable or Modify Tools</a>	<a href="#">ZIPLINE</a> can add itself to the exclusion list for the Ivanti Connect Secure Integrity Checker Tool if the <code>--exclude</code> parameter is passed by the <code>tar</code> process. <sup>[1]</sup>
Enterprise	<a href="#">T1105</a>	<a href="#">Ingress Tool Transfer</a>	<a href="#">ZIPLINE</a> can download files to be saved on the compromised system. <sup>[1][2]</sup>
Enterprise	<a href="#">T1095</a>	<a href="#">Non-Application Layer Protocol</a>	<a href="#">ZIPLINE</a> can communicate with C2 using a custom binary protocol. <sup>[2]</sup>
Enterprise	<a href="#">T1057</a>	<a href="#">Process Discovery</a>	<a href="#">ZIPLINE</a> can identify running processes and their names. <sup>[1]</sup>
Enterprise	<a href="#">T1090</a>	<a href="#">Proxy</a>	<a href="#">ZIPLINE</a> can create a proxy server on compromised hosts. <sup>[1][2]</sup>

Domain	ID	Name	Use
Enterprise	<a href="#">T1205</a>	<a href="#">Traffic Signaling</a>	<a href="#">ZIPLINE</a> can identify a specific string in intercepted network traffic, <code>SSH-2.0-OpenSSH_0.3xx.</code> , to trigger its command functionality. <sup>[1]</sup>

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Source: <https://attack.mitre.org/software/S1114>