# ZERO TRUST NETWORK ACCESS

7 Considerations for Implementing ZTNA



## INSTALLATION

Quick ROI Simple 15 minute deployment

#### INTEGRATION

Integrates easily with existing security tools



Directory

Azure Active Directory



on Carb

**ACCESS CONTROLS** 

EDR TOOLS Carbon Black. UEBA

😽 elastic

splunk>

CROWDSTRIKE



Granular policy engine, TrustScored least privileged access control Real-time event monitoring, alerting and policy enforcement

#### ARCHITECTURE

Organizations own their data plane, no man-in-the-middle CDN cloud architecture





### **USE CASES**

**VPN Alternative for Zero Trust Access** 

**Zero Trust Access for DevOps** 

**Zero Trust Access for BYOD & 3rd Parties** 







Frictionless access does not interfere with end users' existing workflow

7

#### **NETWORK**

Requires no changes to existing network infrastructure

		2580 TRUST NETWORK ACCESS EVALUATION CHECKLIST			
				۲	
		Installation	Quick ROI - Simple 15 min deployment		
			100% software platform, no hardware or virtual appliance required	1	
			Supports both claud installation or on-premises in customer's data center	1	
Zero Trust Network	All Sta		Available for click button deployment on AMI, OCP and Ature Marketplaces	1	
. (771).)	111525353		Requires minimal changes to corporate network infrastructure	1	
Access (ZINA)	MUSH MAR	Integration	Integrates easily with existing security tools.	1	
	1242 323		Ibaalt for authentication (ex. Azure AD, Okta, Ping)	1	
An Evaluation Quide for Security	here and a second s		MDM / EMM tools for device bust (ex. Airwatch, intune, Janif)	1	
and the second dealer for becamy	and a start of the		EDR for real time device health signals (ex. Carbonitiack, Crowdstrike, Suphos)	1	
and Network Architects			335M and USRA tools (Splank Phantom, Deminta, etc.)	1	
		Access	Includes easy-to-use, human readable policy engine for least privilege access controls	1	
		Carbula	Provides trust scoring transvork that incorporates signals from existing tools as part of access and enforcement decision	1	
********	and the second states of the		Includes waittime event monitoring and alerting	1	
	Kalender (KIXIX		Provides continuous authorization via short lived certs and tokens	1	
the top to the top to the top to the	CARE CARE AND CONTRACT OF THE		Provides granular API level controls	1	
			Restricts lateral movement when an network	1	
			Provides APIs for policy and config automation	1	
		Architecture	Cloaks applications from exposure to the public internet	1	
Designing the provided by Der Toch Money Access (2014) additions as a modern second or the horizon at a constraint VTs. Using of the VTA constraint VTS With a set of material second s			Provides an identity aware proxy architecture designed for multi-cloud environments	1	
			Provides a tightweight app instanted on devices to verify posture and establish device trust Enables organizations to over their data plane, not a man in the middle CDN cloud architecture	1	
			Future proof supports both user-service and service-service zero trust user cases	1	
			Incorporates native PRI for certs and integrates with existing PRI	1	
		Use Cases	Stupports Cloud (lauk, Sauk) and On-premise use cases	1	
			Hueled Web Applications - HTTP	1	
			Saal Applications - SAME/OIDC	× .	
			Servers - SSH / RDP	1	
			Cloud Services - 1CP	×.	
		Experience	Provides Zwo Trust access that is transparent to end users	1	
			Probatess access which does not interfere with end-users earling workflow	1	
Why now is the time to replace your VPN			Tapports password-less zero trust access includes cation to expose trust score metrics to end users thereby decreasing calls to	1	
Aging VPNs are no match for today's dynamic multi-cloud and hybrid environments and VPN Pitfalls			appot		
modern workforce which is mobile, leverages EVCO and includes a host of 3rd parties	SECURITY - Broad network access - Crue-sime sushorization MANA SEARELITY	Network	Requires to changes to existing Networking infractividure	1	
accessing sensitive corporate resources. VPNs are not only operationally inefficient for			Robout incrementaty 1 service or application at a time	1	
the dynamic cloud but a security liability due to lateral movement and unauthorized access			conjudys consequences and a second se	- <u>`</u>	
chaininges which are reading causes of the catalatophic breaches we near about in the news each day. With the guestize data breach in 2015 conting organizations \$2.92M/Ifs to sustriate society and network leaders are looking for a new approach to remote access.			No company of automotive and common to manage	1	
			No MARKANIN AND ADDRESS AND ADDRESS OF THE MARKANESS OF THE MARKANESS	1	
	<ul> <li>Complex to manage network</li> </ul>				
Enter 7TNA	posces	Conclusion			
Terry Terry Michael & Annese (TTMA) and along one a product allower time to the second second	security tools	Franker she state	• TTM I aphalase that is blatter have an discussion and an of seath solution and from t	an bar daala	
V2N_7TNA incomposition contractional least minister and access controls with sealitime factors		without making	a channes to your applications or naturals and internates with existing security	incleate le	critical to an
end-to-end encryption and granular enforcement capabilities required for modern hybrid	PERFORMANCE AND COST	successful rolls	out and ROI. We hope this evaluation guide is helpful as you consider ZTNA to enh	ance your o	orporate secu
and multi-cloud environments. Below are key criteria to consider when evaluating a ZTNA	Poor user experience     Cynescles woollances	posture. Court	and your own editable ZTNA Evaluation Checkler (http://bit.ly/EvalGuide).		
solution to replace your remote access VPN.					
			Reven helps secure the matters entropise by delivering continuous Dec Tool Assess for I Matters after the BroadCore architectual Interestoric Excepts Continuous Dec Tool Fail		induced environment
			VPNs with a least privilege, orient's independent, controlust remain access solution. Utiliza		
		- O	op maxime manage sampler encodes their sams and devices are authenicated and invites in senaltice surporate resources. Rangar's distributed, highly scalable platform in surveyly	and by miny	tions means unit
		BANYAN			
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Banyan has developed a comprehensive ZTNA Evaluation Guide and Checklist for your use and reference when making decisions about your Zero Trust Network Access implementation.





Banyan Security provides secure, zero trust "work from anywhere" access to infrastructure and applications for employees, developers, and third parties without relying on network-centric legacy VPNs. Deep visibility provides actionable insight while continuous authorization with device trust scoring and least privilege access deliver the highest level of protection without sacrificing end user productivity. Banyan Security protects tens of thousands of employees across multiple industries, including finance, healthcare, manufacturing, and technology. To learn more, visit www.banyansecurity.io or follow us on Twitter at @BanyanSecurity.

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