

Jonathon Taaffe

Enterprise Solutions Integration Engineer | Cyber Security PGDip | Active Directory Specialist | MCSE | ITIL

Supported Technologies Matrix

Operational Experience @ Intel

Operating Systems
Microsoft Windows Server 2000 to 2016
Red Hat Enterprise Linux Server
Ubuntu Linux Server

Languages
HTML5 with CSS
Powershell
PHP

Cloud Technologies
Citrix XenApp 6.5 Application Virtualization
Microsoft Hyper-V Type-2 Hypervisor
VMWare vSphere ESXi Type-1 Hypervisor

Networking Services and Technologies
Cisco ASA 5500 Series Firewalls
Citrix NetScaler Web Application Firewall
Citrix Secure Remote Access Gateway
Domain Name Service
Active Directory Integrated DNS 2008, 2012
Red Hat Enterprise Linux BIND 9 DNS
Microsoft System Centre Configuration Manager
Red Hat Enterprise Linux DHCP
Red Hat Enterprise Linux Squid Caching Proxy Server

Identity, Directory and Authentication Services
Microsoft Active Directory
Application Mode 2003, 2008
Directory Services 2003
Domain Services 2008, 2012
Federation Services 2008, 2012
McAfee Nordic Edge One Time Password Platform
RadiantLogic Virtual Directory Service

Messaging, Mobile and Collaboration Services
Cisco MobileIron iOS Mobile Device Management
Cisco IronPort Email Security Appliances C600X
Microsoft Exchange Server 2003, 2007, 2010, 2013
Microsoft Forefront Unified Access Gateway for OWA
Microsoft Unified Messaging for Voice Access
Microsoft Lync 2007, 2010, 2013
Blackberry Mobile Enterprise Server
Good Mobile Messaging Secure Email Platform
Red Hat Enterprise Linux SMTP

Educational Hands-on Experience @ NCI

Network Security and Penetration Testing
Exploit Platforms
Kali Linux
MetaSploit Framework
Searchsploit
Vulnerability Scanning
Greenbone OpenVAS GCE 4.2.24
Tenable Nessus 4.8.0
Nmap Port Scanner
Zenmap Port Scanner GUI
Nikto Web Server Scanning
DirBuster Web Content Scanner
WPScan WordPress Vulnerability Scanner
enum4linux Windows System Enumeration
SQLMap SQL Injection Scanner
nbtscan NetBIOS Scanner
netcat (nc) network utility
Exploit Attack
MetaSploit Framework
hydra Password Brute Forcer
medusa Password Brute Forcer

Malware Analysis
Static Analysis
HashMyFiles
PEView
PEiD
BinText
DependencyWalker
UPX Ultimate Packer for eXecutables
Resource Hacker
IDA Pro
OllyDbg
Dynamic Analysis
Gateway OS – REMnux
FireEye/Flare FakeNet NG
iNetSim
Wireshark
RegShot
SysInternals Process Monitor
SysInternals Process Explorer

Cloud Security
Web Infrastructure and Website Security
Cloudflare.com
DNSSEC
TLS v1.3 ECDSA SHA256RSA (4096-Bit)
AWS Cloud Services
Identity: IAM, KMS
Networking: EIP, NAT, IGW, VPC, RT, SG, ELB
Compute: EC2, AMI, ASG
Database: MySQL RDS

Secure Programming for Web Applications
Architecture
Ubuntu Linux LAMP Server
Apache Web Server
MySQL Server
Laravel PHP Framework
Encryption
Password Storage: Bcrypt Hashing with Salt
Data-at-Rest: OpenSSL AES-256 32-bit Key with HMAC
Data-in-Transit: TLS/SSL v1.3 with SHA256RSA (4096-Bit) Cert