



**BNETAL™**  
**bnetal.com**



# Security Profile

2025

# Agenda



## About BNETAL

- Who we are
- What we do
- How we work



## Our Services

- Consulting
- Solutioning



## Security Experience

- Key Achievements
- Healthcare Profile
- Financial Profile



## Executive Security Training

- Key topics



## Security Solutions

- SureDeliver
- SureFHIR
- ManageSecure



## Client Endorsements

Hear what our clients have to say

# About BNETAL



- **Founded by senior security professional (NSA certified security analyst, PhD in security)**
- **Successfully executed large multi-year projects for highly critical nationwide healthcare projects and global financial projects**
- **Value through expert advisory services and robust solutions**
- **We earn client trust by being diligent, respectful, and going above and beyond what is expected from us.**

# Key Security Achievements

---

- Advisory Security Consulting to Santander Bank's US/NY regional CISO, including M&A planning and execution.
- Security Architecture Leadership for EY's Global Tax Platform – a large cloud-based platform using Azure PaaS and IaaS.
- Security architecture, design, implementation for the first health and disease data transport system at CDC.
- Advisory security consulting to CISO of NC DHHS on their cloud security strategic initiatives (AWS, Azure, GCP, Salesforce).



# Key Security Achievements (Continued)

---

- Secure Implementation of BNETAL SureDeliver for ACA Compliance.
- Connectivity and Security Expertise to Council for Affordable Quality Healthcare for HIPAA EDI transactions.
- Security Architecture for HHS's Nationwide Health Information Network.
- Security resource management at Virginia Department of Health using BNETAL ManageSecure.
- Security assessment of Minnesota Department of Health's Lab Information Management System.
- Secure data exchange consultations to Oregon , Arizona Departments of Health



# Public Key Infrastructure & Certificate Lifecycle Management Expertise

- R&D: PhD in Cryptographic Protocols
- Consulting projects (CDC, EY, Santander, NC DHHS)
  - Verisign, Entrust PKI, Venafi CLM, ADCS
- **BNETAL Solutions:**
  - ManageSecure (Certificate Authority, life cycle management)
    - X.509, PKCS7/12, JKS, LDAP
    - Used in CDC, Virginia dept of health
  - SureDeliver (Secure and reliable MFT, B2B Transport, APIs)
    - Uses Certs for encryption, authentication, signing
- **CDC Secure B2B transport (PHINMS)**
  - Certs for encryption, authentication, signing
  - Integration with Verisign PKI, 2-way TLS
  - NIST PKI Conference paper





# BNETAL Solution for Security Resource Management



ManageSecure (tm): ID=admin,Roles=admin,CertAdmin,RegnAdmin,SysAdmin,AuthAdmin : Domains=default : Full Access (Desktop)

Session ServerSide Tools Help

**Key Stores records**

ID	Resource	Type	Role	Certificate-File	Private-Key	Notify Email	Last Notification
1	root	PKCS12	Root	N/A	N/A	from.email@company.co...	

**Selected Record Information**

Resource:	root
KeyStore Type:	PKCS12
KeyStore Role:	Root
Password:	A8001030000018482F210D1000102EA
Key Password:	A8001030000018482F210D1000102EA
Certificate File:	N/A
Private Key:	N/A
Notify Email:	from.email@company.com
Last Notification:	
Created:	2022/11/17 00:17:43
Updated:	2022/11/17 00:17:43
GUID:	A8001030000018482F2D7060001030E

Manage and Secure your key stores. Keystores are used by applications for the purpose of authentication, digital signature and encryption. ManageSecure can manage PKCS12 and JKS formatted keystores. These keystores can be imported into popular browsers and webservers.

- Admins
- Authorizations
- Audit Trail
- Certificates
- Cert-Requests
- CRL
- Domains
- Domain Requests
- Files
- File Scans
- Keys
- Key Stores
- LDAP
- Licenses
- Passwords
- Provisions
- Reports
- Report Archive
- Server Scans
- Server Scan Logs
- Trust Stores
- URL Redirections
- Client Certificates
- Web Log
- Web Servers
- Web Privileges
- Web Roles
- Web Users



# Identity and Access Management Expertise

- **On prem Identity Providers:** Active Directory, Ping Federate
- **Cloud native IdPs:** Entry ID / O365, Google
- **Access governance:** Sailpoint
- **Privilege Access Management:** CyberArk
- **Single Sign-on:** OIDC, OAuth2, SAML2
- **Multi-Factor Authentication:** Cisco AnyConnect, Duo
- **Certificate Authorities:** Verisign, Entrust, Digicert
- **Client-Server B2B Identity, Authentication:** 2-way TLS, WS-Security
- **Research:** Accountability in Electronic Protocols





# Financial Sector Security Services Examples

---

## **Advisory Security Consulting to Santander Bank's US/NY CISO.**

- Provided security strategy and thought leadership for bank mergers and acquisitions
- Security architecture and baseline definition
- Solutioning for security gaps
- Data center and cloud migration security
- Cloud security posture management
- Risk management and governance
- Identity & Access Management, Federation

## **Security Architecture Leadership for EY's Global Tax Platform.**

- Security architecture and thought leadership for large global Azure cloud-based platform including PaaS, IaaS, and SaaS components
- Advised EY's C-level management, and worked with a large team of architects, designers and developers and QA

# Healthcare Sector Security Services Examples

- Security assessment, gap remediation roadmap including security solution architecture for healthcare revenue cycle management (RCM) vendor
- Cloud migration related security assessment and solutioning for healthcare RCM vendor
- Security architecture, design, implementation for the first health and disease data transport system at CDC which is being used across the US to exchange disease data for public health.
- Connectivity and Security Expertise to Council for Affordable Quality Healthcare for HIPAA EDI transactions – worked with industry stakeholders to build consensus.
- Security Architecture for HHS’s Nationwide Health Information Network.
- Advisory security consulting to CISO of NC DHHS on their cloud security strategic initiatives (AWS, Azure, GCP, Salesforce).
- NIST 800-53 and HIPAA Security and Privacy Assessment of large portfolio of infrastructure and applications at NC DHHS
- Secure Implementation of BNETAL SureDeliver for ACA Compliance.
- Security resource management at Virginia Department of Health using BNETAL ManageSecure.
- Security assessment of Minnesota Department of Health’s Lab Information Management System.
- Secure data exchange consultations to Oregon , Arizona Departments of Health.



# Security Services

---

- M&A Security Roadmap, Solutioning
- Enterprise and Cloud Security Architecture
- Regulatory Compliance
- Security Baseline Definition
- Security Gap Assessments
- Identity & Access Governance
- Identity Federation
- Multi-factor Authentication
- Single Sign-on
- Zero Trust
- API Security
- Data Loss Prevention
- Endpoint Protection
- Web Application Firewall
- Log Ingestion and Aggregation
- Data Classification
- Security Posture Management
- API Security
- Data Isolation
- Data Encryption at Rest and in Transit
- Encryption Key Management



# Security Solutions

## SureDeliver®

- Encrypted, Authenticated, Automated File exchange (MFT)
- Meets and exceeds regulatory requirements for healthcare

## SureFHIR™

- Secure and private access to health data resources using FHIR, SMART, OAuth2
- Integrated with SureDeliver

## ManageSecure

- Lifecycle management of security resources
- Built-in CA
- Improves security posture, reduces business disruptions



# Executive Security Training

---

- Security Assessment Best Practices
- Risk Based Approach to Security
- Cloud Models and Security
- Cloud Migration Strategy, Security Planning
- Cloud and Enterprise Security Standards and Best Practices
- Regulatory frameworks (HIPAA, SOX, GLBA, GDPR)
- Security Architecture for large networks
- Data Exchange Security Architecture and Operation



# Client Endorsements

---

“As senior advisors to our regional CISO and his team, BNETAL played a critical role in providing solutioning and security architecture technical leadership for a major acquisition by our bank. BNETAL’s ability to understand and solve complex problems in a distributed environment and their ability to build consensus across stakeholders was outstanding. BNETAL contributions have been very valuable to the bank, and I would highly recommend them to anyone looking for senior advisory security/architecture consultants.”

**Senior Architect and Project Technical Lead, Santander Bank**

“I had the pleasure of working closely with BNETAL on the security aspects of a major EY initiative called Global Tax Platform (GTP), a cloud platform soon to be mission critical to EY. Throughout the project, BNETAL consistently provided thought leadership, and used their excellent subject matter expertise and communication skills to push the envelope of security. BNETAL contributions to GTP have been widely appreciated by GTP and EY leadership. I highly recommend BNETAL’s enterprise and cloud security services.”

**Program Manager , EY Global Tax Platform**

“BNETAL has provided reliable, professional and consistently excellent services throughout the development of the CAQH CORE Connectivity and Security Operating Rules. BNETAL consultants have strong credibility as a result of their in-depth knowledge and real-world experience in healthcare data exchange and security. They have been highly effective in simplifying complex technical matters and supporting CAQH CORE as it drafts rules with a very diverse group of industry stakeholders. BNETAL has also represented CAQH CORE at various healthcare industry forums with the goal of gathering as well as sharing market information. In addition to their valuable contributions throughout our five-plus year relationship, BNETAL consultants continue to be responsive and easy to work with.”

**Director, Council for Affordable Quality Healthcare (CAQH)**



## Client Endorsements (Cont'd)

---

"I have worked extensively with BNETAL while working with the Virginia Department of Health and on CDC projects. BNETAL products provided a very secure access to our sensitive Public Health systems. In my opinion based on 19+ years in public health, BNETAL products are top-notch and provide security that is comparable if not superior to most competing products in the market. Their customer service and professionalism was excellent. I would highly recommend their solutions and services.

**Senior Manager, Virginia Department of Health**

"We have been using ManageSecure to manage and monitor our deployment related security resources such as SSL servers, LDAP servers, certificates. ManageSecure provides timely reporting and alerting on these resources, which enables timely and proactive action on their upkeep. ManageSecure has been running in our environment for several months and has been very stable. The ManageSecure staff is very knowledgeable and has provided excellent support."

**Deployment Architect, SAIC/CDC Atlanta**



**Contact Us to Discuss your Security Needs:**

**[info@BNETAL.com](mailto:info@BNETAL.com)**

**[BNETAL.com](http://BNETAL.com)**