VIRGINIA
IT AGENCY

WELCOME TO THE FEB. 1, 2023

ISOAG MEETING

VIRGINIA IT AGENCY

AGENDA	
Welcome/Opening Remarks	Mike Watson/VITA
KnowBe4 Overview	Tina Gaines/VITA
KnowBe4 Demonstration	Breon Worthy/KnowBe4
Accunetix 360	Juan De Paz Gonzalez/VITA
Upcoming Events	Tina Gaines/VITA
Adjourn	

VIRGINIA IT AGENCY

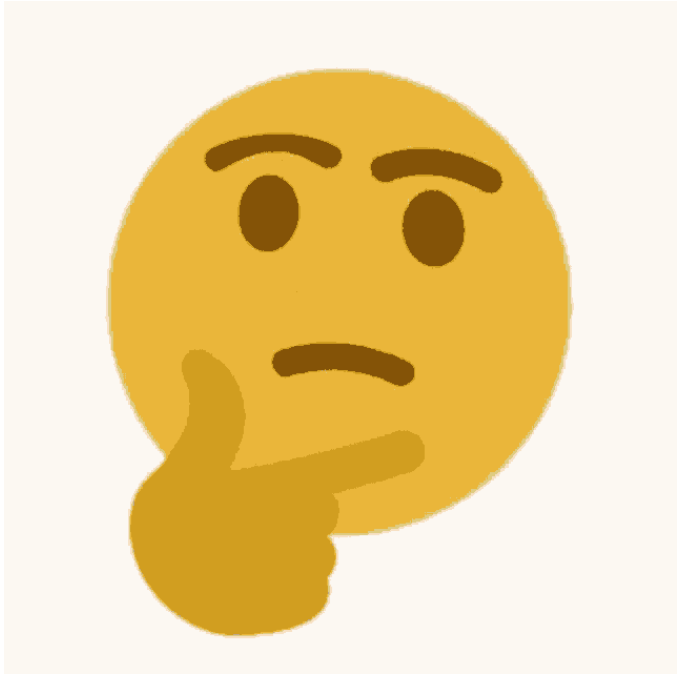
CYBERSECURITY AWARENESS TRAINING FOR THE COMMONWEALTH

Tina Gaines

Security Awareness Training Manager

CSRM

HOW DID WE GET HERE



CYBERSECURITY AWARENESS TRAINING –KnowBe4

- In 2022, the new Governor and Administration identified cybersecurity as a priority initiative.
- In July 2022, Deputy Secretary Andrews met with CSRM. Cybersecurity training was noted to be a critical concern and also one that could be addressed effectively and expediently if funding were available. Deputy Secretary Andrews proposed that a common cybersecurity training software be utilized for all state employees.
- KnowBe4 is the world's largest integrated platform for security awareness training combined with simulated phishing attacks. It is generally considered to be one of the most comprehensive, effective and highly customizable training platforms on the market. Over 20 Commonwealth agencies already use KnowBe4 for educating their employees.
- CSRM determined that the KnowBe4 platform would not only work well in our enterprise environment but would also work well for our non-managed agencies in the Legislative, Judicial and Independent branches:
  - It has a multi-tenancy capability that allows each agency to manage the training effort at their agency.
  - It also allows VITA to centrally monitor all agencies for training compliance and phishing campaigns.
  - It includes real-time reporting capabilities at the agency, secretariat and branch levels for communicating to the Administration.
- KnowBe4 is cloud-based and ECOS approved.


UBANK
THE BANK OF THE FUTURE
4455 5566 0022 4455
VALID FROM 08/08
EXPIRES END 08/12
JOHN SMITH
INTERNATIONAL
WISA

KNOWBE4 Subscription - The Purchase

1.KMSATD: KnowBe4 Security Awareness Training Diamond
Subscription: Includes cybersecurity training, phishing campaign and a multi- tenant platform with the extra capabilities (API, SSO/SAML, unlimited phishing, AD provisioning, security role training and more).

2.CMP: KnowBe4 Compliance Plus Subscription: That is their compliance and regulatory piece (HIPAA, privacy, PCI, ethics, workplace safety, etc) plus the ability to add your own SCORM training to the platform.

Features	Silver	Gold	Platinum	MOST POPULAR Diamond
Unlimited Phishing Security Tests	✓	✓	✓	✓
Automated Security Awareness Program (ASAP)	✓	✓	✓	✓
Security 'Hints & Tips'	✓	✓	✓	✓
Training Access Level I	✓	✓	✓	✓
Automated Training Campaigns	✓	✓	✓	✓
Brandable Content	✓	✓	✓	✓
Assessments	✓	✓	✓	✓
AI-Recommended Training	✓	✓	✓	✓
Phish Alert Button	✓	✓	✓	✓
Phishing Reply Tracking	✓	✓	✓	✓
User Provisioning via Active Directory or SCIM Integration	✓	✓	✓	✓
SSO/SAML Integration	✓	✓	✓	✓
Industry Benchmarking	✓	✓	✓	✓
Virtual Risk Officer™	✓	✓	✓	✓
Advanced Reporting	✓	✓	✓	✓
Training Access Level II		✓	✓	✓
Monthly Email Exposure Check		✓	✓	✓
Smart Groups			✓	✓
Reporting APIs			✓	✓
User Event API			✓	✓
Security Roles			✓	✓
Social Engineering Indicators (SEI)			✓	✓
USB Drive Test			✓	✓
Priority Level Support			✓	✓
Training Access Level III				✓
AI-Driven Phishing				✓
AI-Recommended Optional Learning				✓
Compliance Plus - Optional Add-on	✓	✓	✓	✓
PhishER™ - Optional Add-on	✓	✓	✓	✓

Training Content	Level I	Level II	MOST POPULAR Level III
Training Modules	12	51	171
Micro Modules	3	33	141
Videos (90 sec-5 min)	8	64	510
Posters / Images	43	48	236
Newsletters / Security Documents	11	24	245
Games		2	28

VITA did not purchase the PhishER as of yet.

KNOWBE4 CONSIDERATIONS – We Have Questions????

- Will there be a charge to each agency to use KnowBe4? No, there will not a charge to the agencies.
- For agencies already using KnowBe4, will they be responsible to pay for their renewal? VITA will pay for the renewal subscriptions for agencies currently using KnowBe4. In addition, since VITA has purchased the diamond level subscription, that level will be added to those agencies who do not have it.
- Will the agencies be their own tenant under VITA? The KnowBE4 training solution under VITA will operate under a multi-tenant platform. Each agency will be their own tenant and will have the ability to control and administer their own security awareness training and phishing campaigns.
- When will training on KnowBe4 be provided to the agencies? As each agency comes on board, VITA and KnowBe4 will provide training and guidance on how to set up their console as well training on the solution.

KNOWBE4 CONSIDERATIONS – Next Steps

- How will KnowBe4 be rolled out to the agencies? Knowbe4 will be rolled in three phases:
  - Phase One – Those agencies who are currently subscribed to KnowBe4. This phase took place on Jan. 30, 2023. Phase one included over 20 state and independent agencies, two higher ed agencies, the Governor's Office, and two agencies who did not use Knowbe4.
  - Phase Two – Majority of the agencies not included in phase one. This phase is schedule to be completed by July 2023.
  - Phase Three – This phase will include agencies that might be a little more complex, challenging or their subscription renewals expire later in the year or next year. This phase is scheduled for completion by December 2023.
- What if my agency does not want to migrate to Knowbe4?
  Reference 2.2-2009 (I.3) for this subsection along with the other provisions in 2.2-2009 regarding setting security requirements. This request is coming from the governor and his cabinet, and we are executing under that direction.

Next Steps - Prior to Migrating to KnowBe4

- What VITA will need from you:
  - Current training solution and contract expiration date.
  - Number of Employees to include FTEs, Wage and Contractors.
  - Name and email address of agency designated administrator(s).
  - We will send an email to the Agency ISO this week requesting this information.

- What to Expect from VITA:
  - Notify the agency what phase they will be assigned to and the implementation date.
  - Forward the agency administrators to KnowBe4 to create the console.
  - Create a baseline curriculum and work with KnowBe4 to provide training to administrators.
  - Provide resource links for KnowBe4 Training.
  - Provide quarterly meetup sessions for administrators.

- What to Expect from KnowBe4:
  - Ongoing support and updated content.

We are excited to move to this new platform. We know there will be some challenges we might have to work through but with everyone working together and helping each other, we can make this transition a success.

KNOWBE4 – Resource Links

Custom Content:
https://support.knowbe4.com/hc/en-us/articles/360047284433

KnowBe4 527 Crosswalk: https://www.vita.virginia.gov/policy--governance/policies-standards--guidelines

What type of reporting is available?
https://support.knowbe4.com/hc/en-us/articles/360007952894

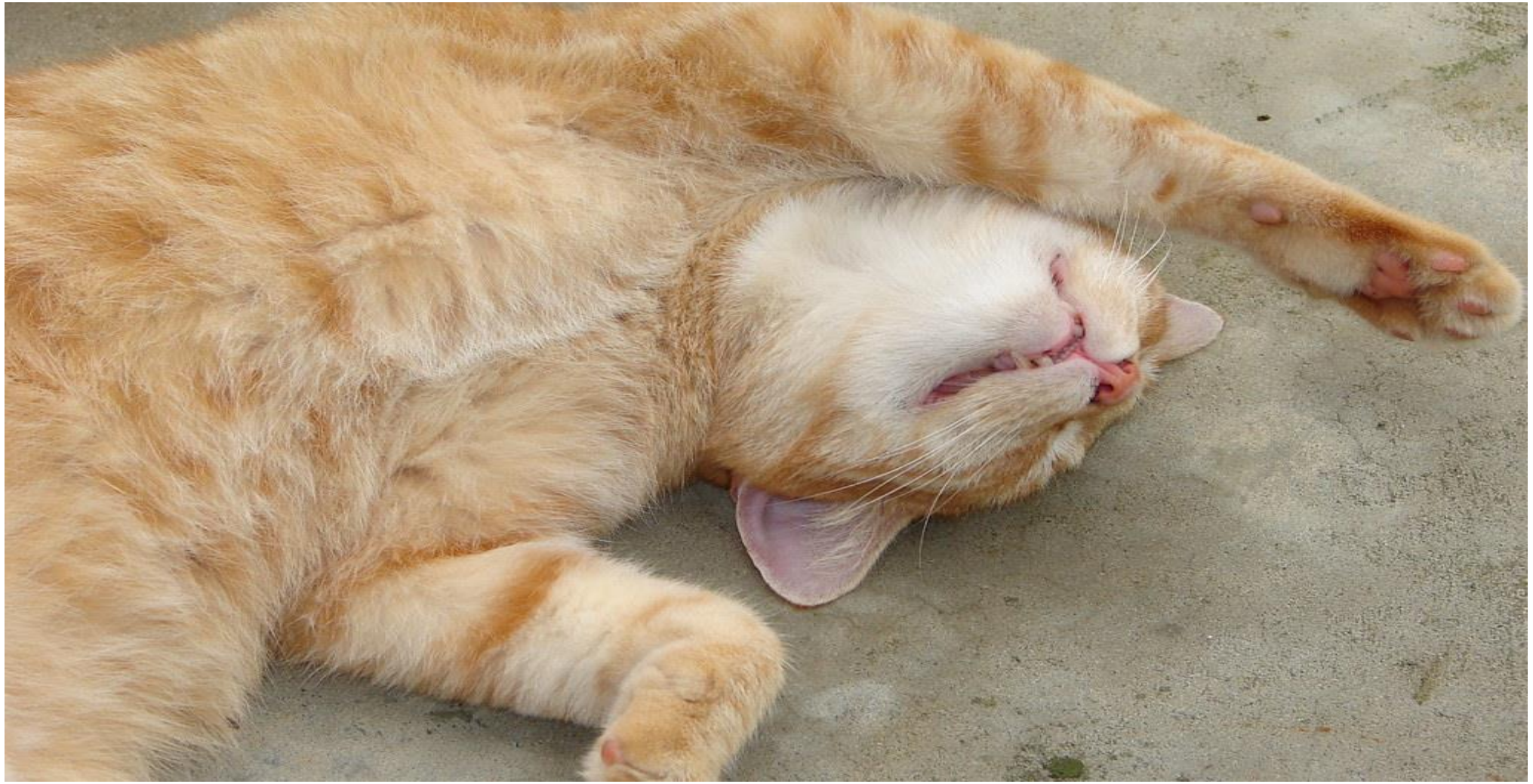
Will it be OKTA enabled? OKTA configurations:
https://support.knowbe4.com/hc/en-us/articles/115013176407

Training Notifications:
https://support.knowbe4.com/hc/en-us/articles/115010848868

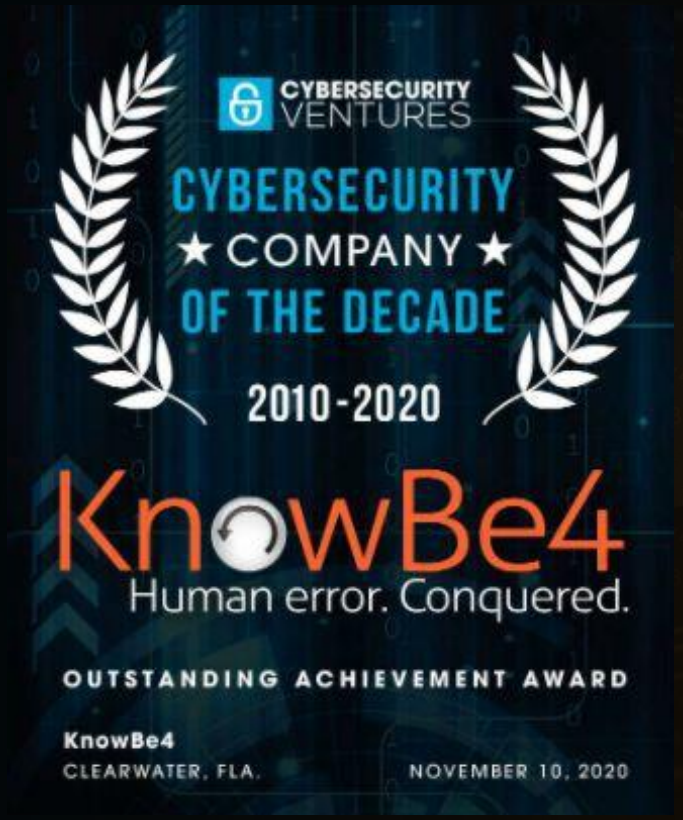
https://www.knowbe4.com/en/security-awareness-training-features/

Here is a link to a recorded version of the webinar so you can get a feel for it.

https://attendee.gotowebinar.com/recording/6413257131567872515



QUESTIONS



Meet Your Enterprise Customer Success Team

Breon Worthy
Enterprise Customer Success Manager

A dedicated service professional with a tenure of 5+ years at KnowBe4. Breon is skilled in onboarding and implementation of the various KnowBe4 products, analyzing campaign trends, and supporting customers throughout their overall journey with us. Breon serves as the main point of contact for his customers and through regular touchpoints partners with the system administrator to achieve value through our offerings and shares best practices stemming from his experience with large enterprises spanning various industries.

Daniela Habermehl
VP of Customer Relations

Daniela partners with KnowBe4's largest Enterprise clients to help their Executive teams own the ongoing problem of social engineering. Through Quarterly Executive Business Reviews, Daniela helps highlight the threat landscape, industry trends, and actionable phishing metrics based on recently conducted simulated phishing tests that the Executive team can share with key stakeholders and the Board.

Prior to joining KnowBe4, Daniela supported C-level members of Gartner's Research Board, and other Gartner products where she not only supported global strategic initiatives but also fostered an outlet for collaboration, challenge sharing, and group problem solving through peer connections.

VIRGINIA IT AGENCY

ACUNETIX 360

JUAN DEPAZGONZALEZ & RILEY PFISTER

Web Scanning Team

VITA/CSRM /THREAT MANAGEMENT TEAM

FEB. T, 2023

ACUNETIX 360

ACUNETIX 360

- Discovering Vulnerabilities
- Improving remediation
- Promoting self service

WHAT IS SCANNING?

- Using automated tools to evaluate web application security
- Reporting findings to relevant parties for remediation
- Confirming fixes and remediation

CURRENT WEB SCANNING WITH ON-PREMISE

- Acunetix Premium
- Done Quarterly
- Re scans on request
- Centralized

CURRENT ISSUES WITH ON-PREMISE

- Only the scanning team can scan
- Rescanning can be tedious
- Archer upload is a manual process
- Reports are large and dense

NEW SCANNING WITH ACUNETIX 360

- On Demand SaaS Service.
- Multi tenant
- Tagging system for identifying website characteristics.
- Scans can be scheduled.
- Authenticated Scan profiles can be configured.

IMPROVEMENTS

- Vulnerabilities and remediation are tracked automatically within the application
- Enable each agency to scan at their discretion.
- Easily digestible findings

ACUNETIX 360

FUNCTIONALITIES

FUNCTIONALITIES

- Tagging
- Scripting
- Time window
- Authenticated scans
- Issue tracking

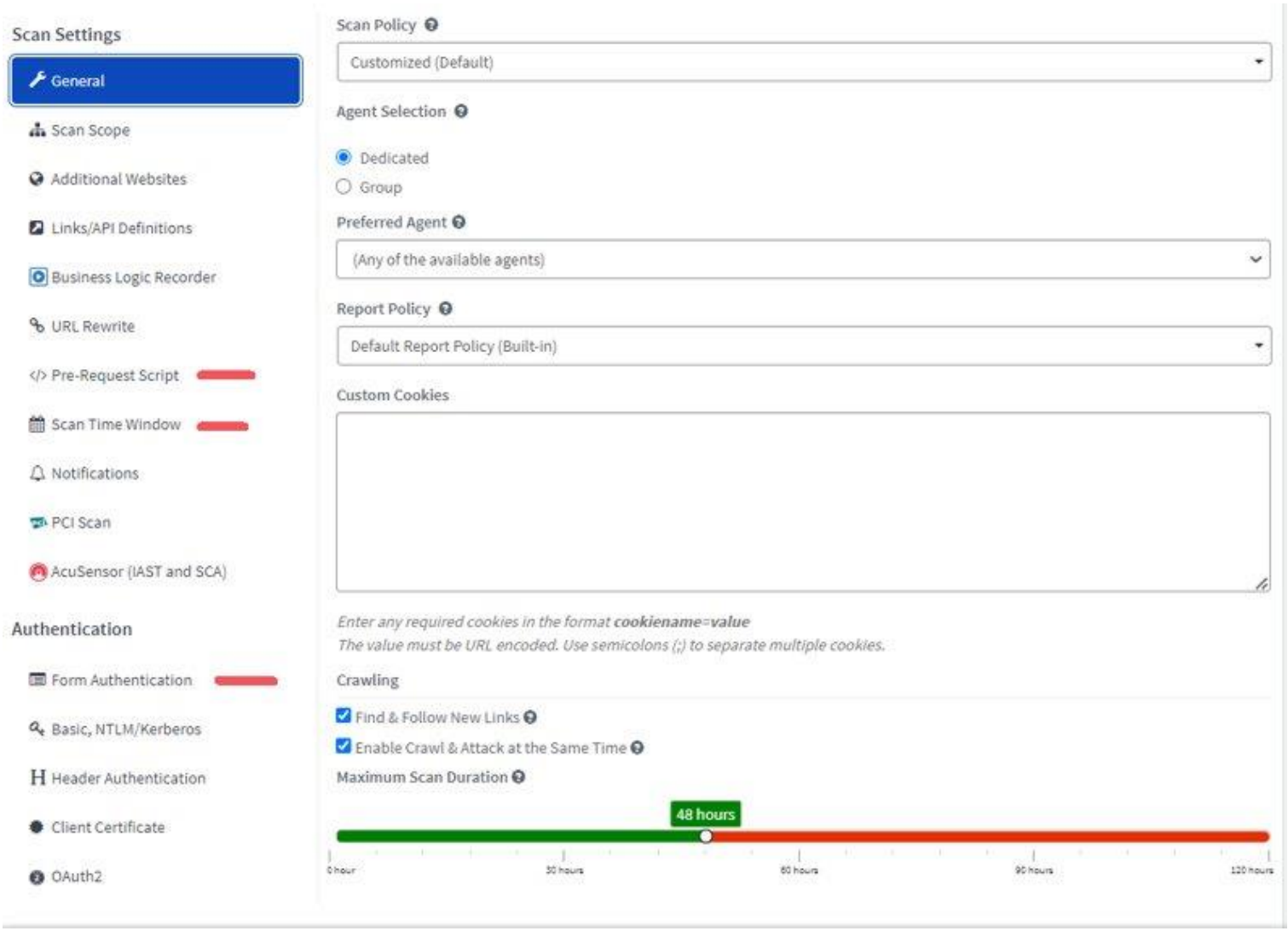
TAGGING

- This allows agencies to associate certain websites. For example, tagging websites as: Production, internal, private, staging...etc.
- This can also be done to filter hosted applications to improve report filtering and metrics.
- Or to separate scan profiles.

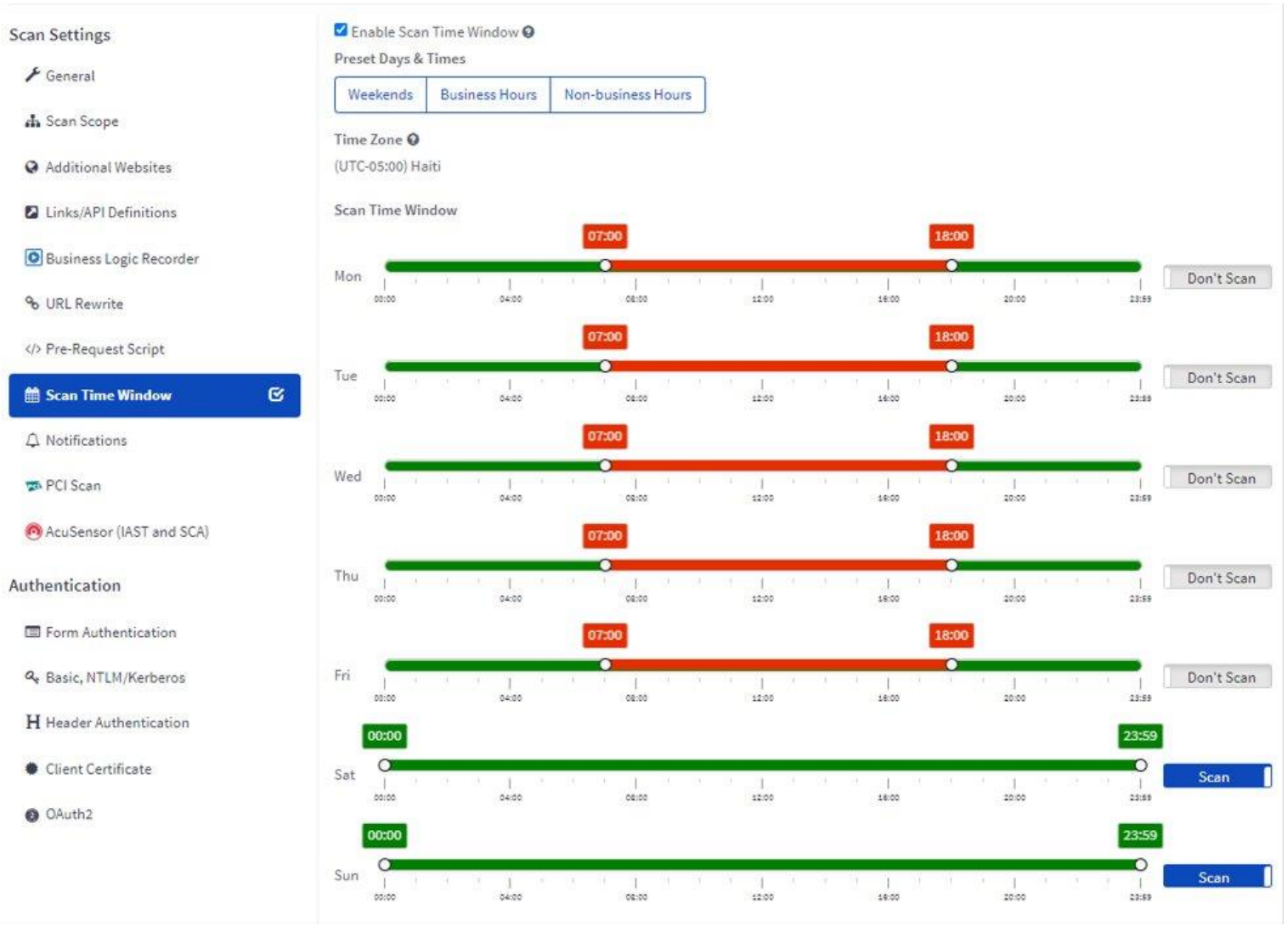
SCAN OPTIONS

- Many custom configuration options for each target.
- Let's review a few.

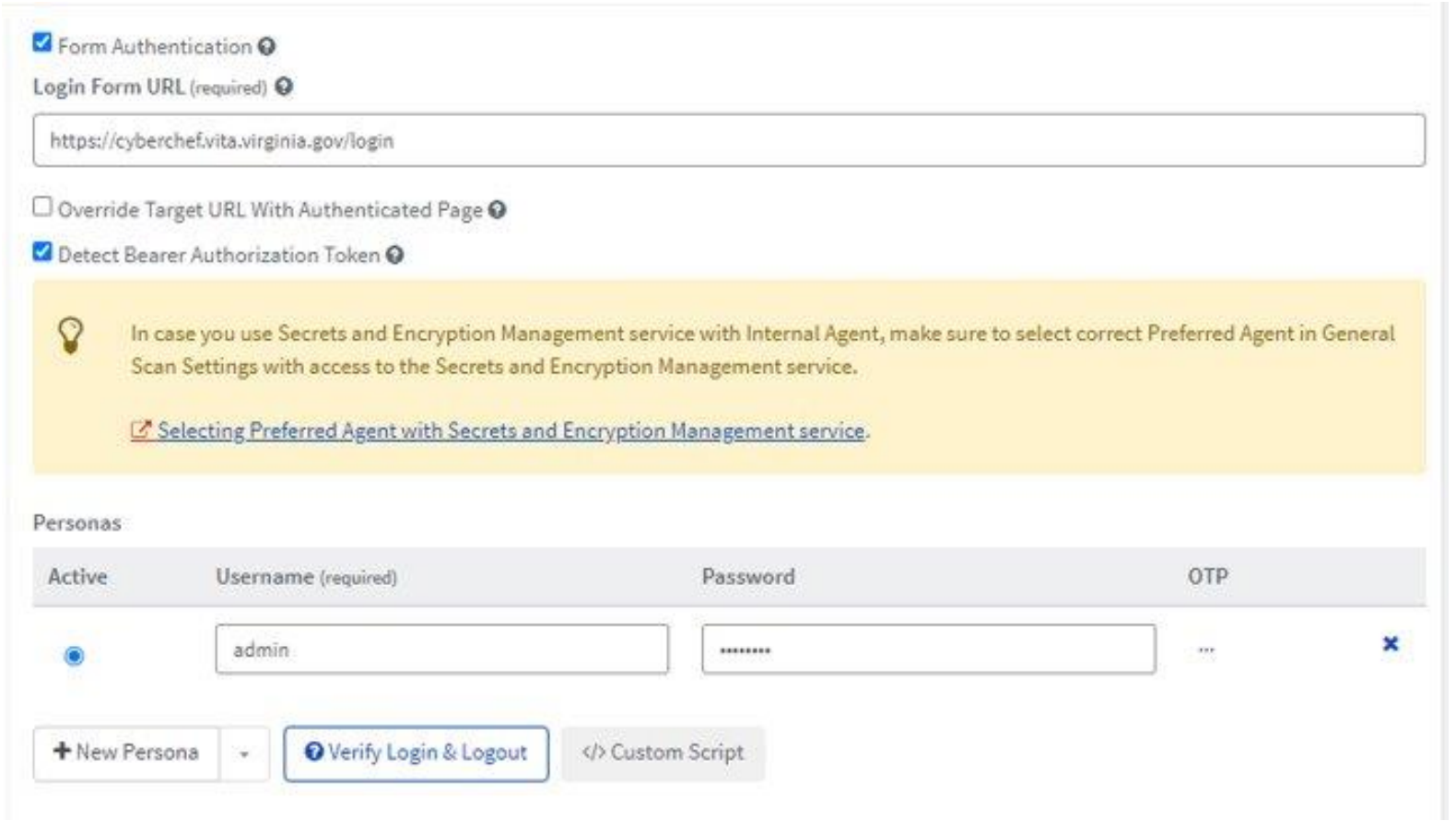
ACUNETIX 360



ACUNETIX 360



ACUNETIX 360



ISSUE TRACKING

- Every vulnerability can be assigned to a user and tracked within Acunetix 360
- Marked as Accepted, resolved, false positive...
- Ability to test remediation efforts and automatically resolve

GOING FORWARD

ROLL OUT

- In development.
- We will start with few agencies and increase the numbers.
- Every agency will be on boarded.
- Hopefully fully scaled by Summer.

WHAT WE NEED FROM YOU

- Think about the following:
- What users would you like using the application.
- How would you like your sites/application organized.
- When is a scan convenient for you?

WHEN IT IS YOUR TURN

- Once your agency is invited to A360 we see the following occurring
- The ISO is added
- Agency users are added
- Access is confirmed and on boarding will begin
- You will get an in-depth overview of the application.
- Then you will be ready to scan.

FUTURE

- We will continue to develop and expand our scanning activities/ remediation efforts.
- If you want to be some of the first agencies on-boarded please reach out.

QUESTIONS/CONTACT

Feel free to ask any questions

- Dean Johnson, Director of Threat Management
  Dean.Johnson@vita.Virginia.gov
  (804) 510-7093
- Juan Depazgonzalez, Web Scanning Team
  Juan.Depazgonzalez@vita.virginia.gov
  (804) 807-3892
- Riley Pfister, Web Scanning Team
  Riley.Pfister@vita.virginia.gov
  (804) 270-8427

UPCOMING EVENTS

FEBRUARY IS BLACK HISTORY MONTH

IS ORIENTATION

IS Orientation

Remote - WebEx

Start time: 1:00 P.M.

End time: 3:00 P.M.

Instructors: Erica Bland, Renea Dickerson and Tina Gaines

https://covaconf.webex.com/weblink/register/r97c7834e1e02a606993b2934c3270491

The next scheduled meeting for the IS Council:

March 15, 2023

Noon – 1 p.m. (virtual)

If you would like an invite to the meeting, contact:

tina.gaines@vita.virginia.gov

OTHER EVENTS

VCSP CISO roundtable (this is not a general membership meeting)

Feb. 9

12:30 - 2:00 P.M.

February 17th RVATech Edge Conference - https://rvatech.com/rvatech-events/2022-rvatech-edge-conference/

February 28th is RVATech Cyberconva - https://rvatech.com/rvatech-events/cyberconva-2023/

ISO REMINDERS
COMPLIANCE AND VERIFICATION SAT FORMS

The Compliance and Verification forms were due on Jan. 31, 2023.

The form maybe completed manually or in Archer by clicking on the “Verification and Compliance Tab under the Security Awareness Training Questionnaire for year 2022. If you do not see the tab, click on recalculate and it should appear.

In addition, updated Security Awareness Training solution questionnaire should also be submitted for 2022. This form maybe also completed manually or in Archer.

If you have questions, contact Tina.Gaines@vita.virginia.gov

MARCH ISOAG MEETING

MARCH 1, 2023

TIME 1 – 3 P.M>

SPEAKERS: TBA

VIRGINIA
IT AGENCY

MEETING ADJOURNED