

Commonwealth of Virginia

# Website Modernization Project

Program Update

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September 19, 2023

In partnership with



# AGENDA AND GROUND RULES



## Agenda

1. Web Standards Governance and Reporting
2. Using Acunetix 360 / Using Siteimprove
3. Architecture Review Process
4. Tools Updates
5. VHEAP Overview
6. Web Modernization 2.0

## Ground Rules



This webinar is being recorded. If you do not consent to being recorded, you may drop from the call.



Please post questions in the chat! This will help us inform future efforts. We will also have time for Q&A at the end.



Remember to be on mute if you are not speaking.

# PURPOSE AND GOALS



## Purpose

To deliver accessible, trusted and secure websites to Virginians

## Goals



### **Build Trust**

Build trust in state government websites by developing standards that will ensure easily identifiable state websites, with common design elements and the use of standard naming, such as .gov addresses



### **Improve User Experience**

Improve the citizen user experience across all Commonwealth public facing websites, and improve access to information and services on state government websites by providing language options and accessibility support



### **Strengthen Security**

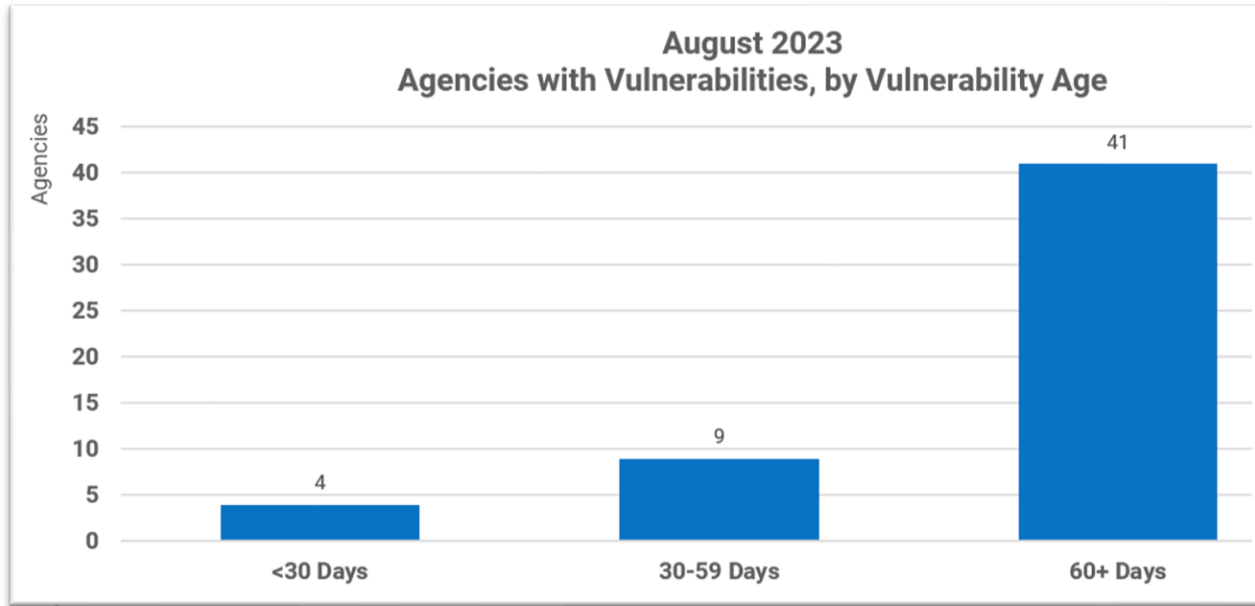
Establish or clarify cybersecurity requirements for protecting state websites, public access and Commonwealth data



### **Better Ways of Working**

Train executive branch agencies to create and maintain modern websites and provide all necessary knowledge resources, including templates, checklists, on-site demonstrations, tools and scans

# WEB STANDARDS GOVERNANCE AND REPORTING



Vulnerabilities scanned by Acunetix 360

Siteimprove Accessibility Indicator (July)	Siteimprove Accessibility Indicator (August)	Siteimprove Accessibility Score (July)	Siteimprove Accessibility Score (August)	Monthly Progress
Good	Good	86.26	86.40	0.14
Fair	Fair	79.72	80.07	0.35
Good	Good	90.58	91.29	0.71
Good	Good	84.86	86.23	1.37
Fair	Fair	68.92	70.75	1.83
Good	Good	81.42	81.46	0.04
Good	Good	83.86	84.06	0.20
Good	Good	92.26	92.26	0.00
Fair	Good	80.71	83.82	3.11

Accessibility scores in Siteimprove

PDF Files 3+ Years Old (July)	PDF Files 3+ Years Old (August)	Monthly Progress
116	120	4
0	0	0
243	230	-13
166	133	-33
898	899	1
333	343	10
56	59	3
1720	1837	117

PDFs over 3 years old identified by Siteimprove



# USING ACUNETIX 360 FOR SECURITY COMPLIANCE



## 1. Identify Technical Contact / Assignees

Technical Contact (required)

Juan Depazgonzalez (juan.depazgonzalez@vita.virginia.gov)

Website Tags

VITA x tool x

Enter up to 20 tags.

Agent Mode

Cloud Internal

Save

## 3. Confirm Retest Status

First Seen	Last Seen	Tags	Assignee	Retestable	Status
10/08/2020 01:46 AM	10/08/2020 01:46 AM		Team Member		Present
10/08/2020 01:46 AM	10/08/2020 01:46 AM		Team Member		Present
10/08/2020 01:46 AM	10/08/2020 01:46 AM		Team Member		Present
10/08/2020 01:46 AM	10/08/2020 01:46 AM		Team Member		Present

## 2. Update State

Update

State

Accepted Risk  False Positive  Fixed (Unconfirmed)

Assignee

Team Member

Note

## 4. Rescan Site if Necessary

+ New Group Scan + New Scan + Scheduled Scans

Finish Time Tags

29/07/2022 01:14 PM Scan Report

Scan Status

Scan Status



## Purpose

- Provide guidance on Acunetix 360 usage, vulnerability management, security policy, and answer any questions you may have.

## When

- Every Tuesday from 10 to 11 a.m.
- Open door, come any time in that hour

## Where

- Microsoft Teams ([MEETING LINK](#))
- Or call in here: 434-230-0065, Conference ID: 542 653 741 #

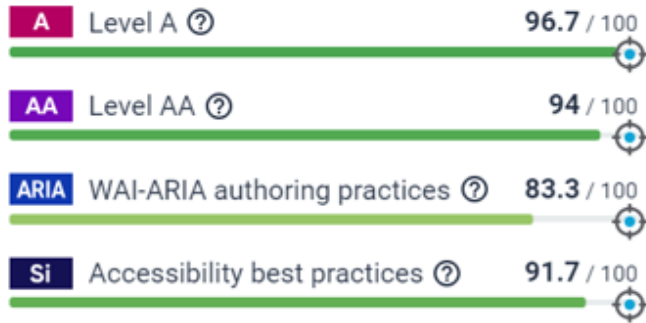
## Additional resources

- [Acunetix 360 Welcome Kit](#) (account required, free sign-up)
- Acunetix 360 KBA in development

# USING SITEIMPROVE FOR ACCESSIBILITY COMPLIANCE



Progress towards site target ?

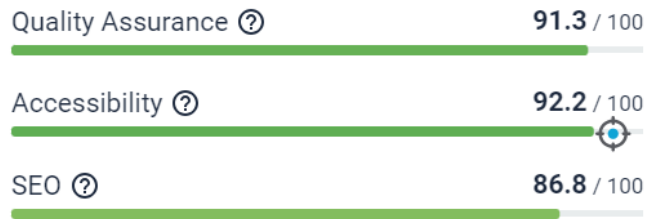


Accessibility score ?



**Compliance:** Accessibility score of 81 or higher

Score details ?



Overall score ?



**Don't stop there!** Quality Assurance and Search Engine Optimization (SEO) improve the user experience of your site.

**Accessibility and Design Office Hours:** Wednesdays at 10:00am  
Microsoft Teams ([MEETING LINK](#))

# ARCHITECTURE REVIEW PROCESS



## Purpose

- The EA225 web systems standard requires architecture review for web systems prior to their **initial release**, and on subsequent release of **architecturally significant changes**.

## Requirements

Measure	Approved!	Approved with Exceptions	Denied with Exceptions
Accessibility Score	> 81%	80% — 50%	< 50%
Critical/High Defects	0		Any
Branding Bar	✓		✗
Domain Naming	✓	✗	
Performance Score	> 90%	90% — 60%	< 60%

## Resources

- [Web systems compliance KBA](#)
- [Your Enterprise Architect \(EA\)](#)



# TOOLS UPDATES



Feature	Tool	Status
Accessibility training	Siteimprove Frontier	Speakers needed! Volunteer today to appear in custom welcome videos. October launch.
Web traffic analytics	Siteimprove Analytics	Available today. Use it!
Captcha	Google reCAPTCHA	Creating agency accounts. Send the team your domains that need captcha.
Screen reader software	JAWS/FUSION software and JAWS Inspect	Packaged, AD groups created. Request form available very soon.
Enhanced search	Elastic Search	Outreach and implementation beginning with agencies. Raise your hand!
Language translation services	RFP	RFP launching in next several weeks.



# VIRGINIA HIGHER EDUCATION ACCESSIBILITY PARTNERS



## Connect with Fellow Accessibility Champions Across Virginia!

Join [vheap.org](https://vheap.org) for free and gain access to a supportive community of digital accessibility professionals across the Commonwealth to promote access within higher education, K-12, and state agencies.

As a member, you'll find:

- Networking events to meet and collaborate with other professionals within higher education, K-12, and state agencies, who share common interests for advancing accessibility.
- Professional development around building accessible environments and to guide the creation of accessible educational materials for all information consumers.
- Advocacy to advance greater inclusion and participation of individuals with disabilities in education and employment opportunities throughout the Commonwealth.
- Email listserv to exchange ideas and get advice.
- Opportunities to give back through volunteering in support of VHEAP's current and future initiatives (e.g., state-wide cooperative captioning/transcription/audio description contracts, 2023-2024 legislative initiative, etc.)

Join the [vheap.org](https://vheap.org) community today!



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## Content Quality / User Experience

- Misspellings, Readability
- Broken links, Document usage, Image size

## Analytics

- Key metrics, Behavior maps, Campaigns, Live activity tracker
- [Available in Siteimprove](#)

## Content Freshness / Security

- New content, PDFs over 3 years old
- Publicly exposed sensitive data, Links to unsafe domains

## Increased Efficiencies

- Domains vs. Pages
- Tech Stack – choose one CMS

# NEXT STEPS AND ADDITIONAL INFORMATION



Start marking issues as “fixed” in Acunetix 360. Contact [commonwealthsecurity@vita.virginia.gov](mailto:commonwealthsecurity@vita.virginia.gov) with questions

The Web Mod team strongly suggests using Siteimprove Analytics on each of your sites / applications

Volunteers needed for very short speaking roles in Siteimprove Frontier intro videos

Send us your specific domains that need captcha as we begin the implementation of Google reCAPTCHA

Please reach out to [wedmod@vita.virginia.gov](mailto:wedmod@vita.virginia.gov) for these items or any questions you might have





**Questions?**