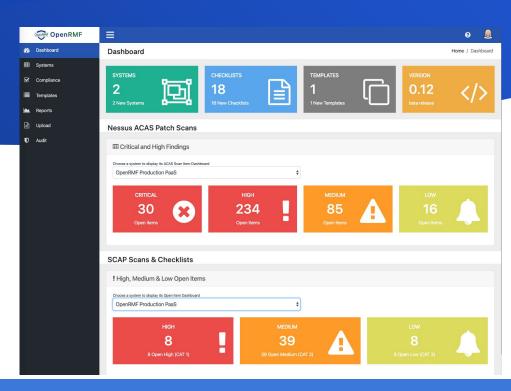
# OpenRMF - Innovation and Automation for DISA STIGs and scans, Nessus scans and NIST Controls

### https://www.openrmf.io

The only web-based open source tool to help you edit and manage your DISA STIG Checklists, Nessus Scans, NIST Controls, and correlate them automatically!

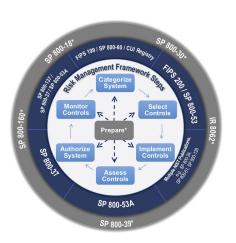
- Upload Checklists (CKL or XCCDF SCAP)
- Run Compliance and Information Reports
- Filter on Open Items remaining
- Edit and Manage Checklists by System



# **Current Challenges Implementing RMF**

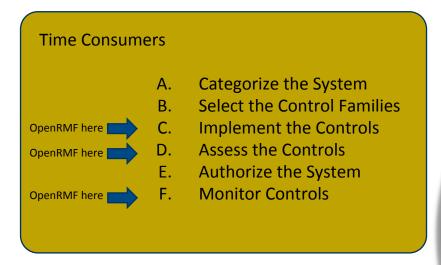


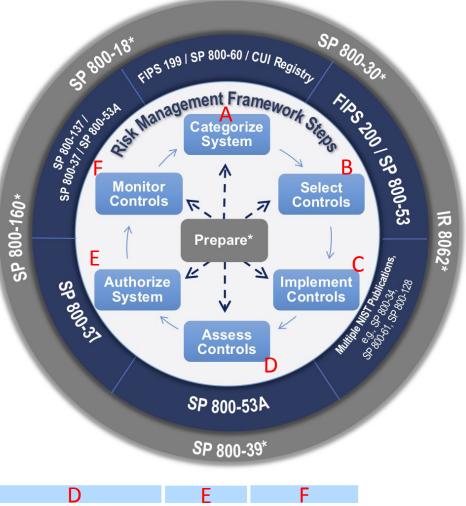
- Slow process driven by disparate systems
- Compliance with STIGs means checklists are numerous and not related directly to NIST control families
- Information shared via Email, DISA STIG Viewer, Excel, and shared folders no single source of truth
- Limited management oversight into the IA status and security posture
- Must install Java to use the DISA STIG viewer to edit Checklists
- Teams need actionable data from Nessus ACAS scans easily
- IT Teams must manage the checklists manually
- Checklists are managed manually, one at a time
- Leadership sees Cybersecurity as "black magic" and "too hard"
- Leadership does not see value in Cybersecurity only hardship
- No correlation of errors and deltas across checklists



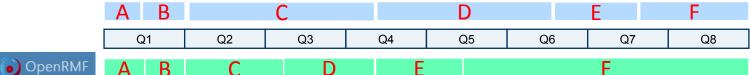
# The RMF Process – 6 Steps







#### **Current Timeframe**



# Complexity of RMF in your System



Example: 1 system consisting of 10 Windows Servers with 1 Application

## eMass Process Categorize System (High / Moderate / Low) Outputs Selections to **NIST Control** Categories Moderate Level system could have 180 controls AC-1 AC-2 AC-12 PM-2 PM-12

No Automated Correlation

**Completely Manual!** 

#### **DISA STIG Process**

Identify necessary checklists for your system

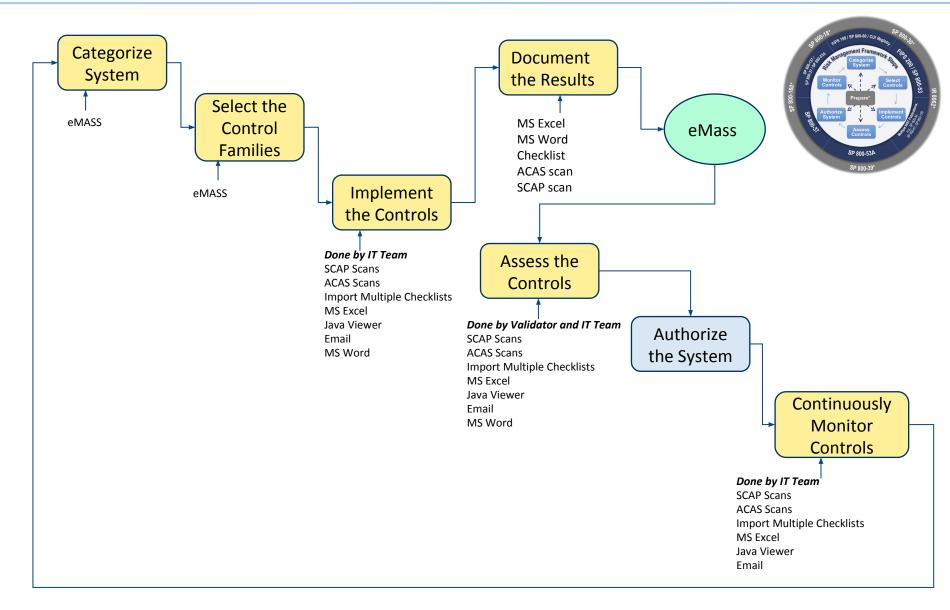
- (10) Windows 2016 OS Checklists (272 items each)
- (10) Internet Explorer Checklists (136 items each)
- (10) .NET Checklists (16 items each)
- (1) SQL Server 2014 DB Checklist (42 items each)
- (1) SQL Server 2014 Instance Checklist (92 items each)
- (1) Application Security & Development Checklist (288 items)
- (10) Java Checklists (16 items each)

Open a new checklist (53) for each with the STIG Viewer to modify and update 4,822 items!



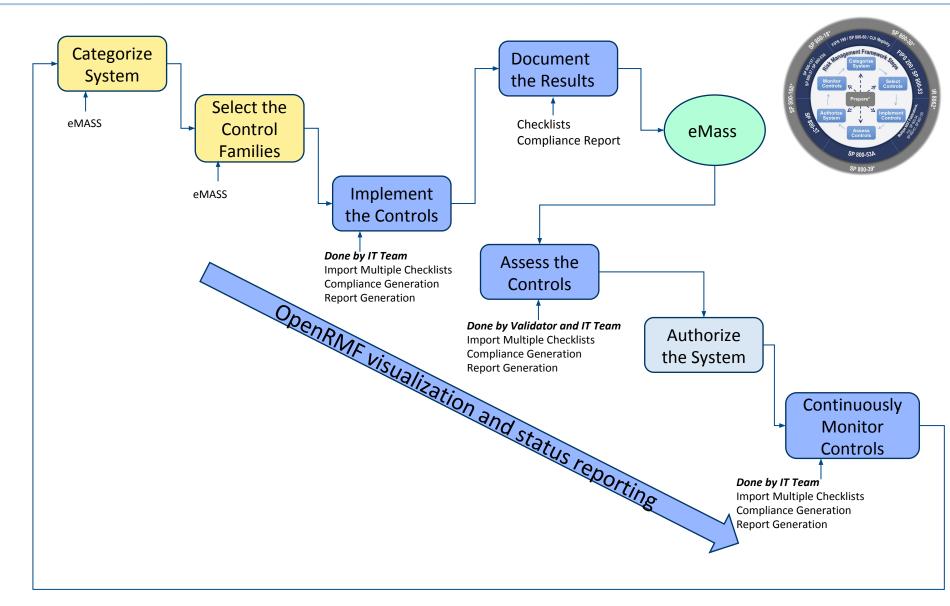
## **Current RMF Process**





# RMF Process with OpenRMF Automation





# **OpenRMF** Features



- 100% Open Source tool
- Automatically Relate DISA STIGs with NIST RMF Control Families and Categories Seamlessly
- Automatically Organize Checklists by System
- Single Source of Truth for all System Checklists
- Edit your Checklist data Live through a web browser!
- Run Nessus scan, Checklist, Vulnerability and Controls reports across your whole System
- Management Insight into IA Status and Security Posture
- On premise, local machine, or in the cloud
- 100% Browser based
- Role Based Access Control
- Easily Find Errors and Deltas Across Checklists
- Run Nessus scan, Checklist, and Controls reports
- Removes the IA Mystery!

More information at <a href="https://www.openrmf.io/">https://www.openrmf.io/</a>

# Coming Soon...



- March 2020 v 0.12 (in progress)
  - (done!) Automatically create your Test Plan Summary
  - Automatically create your POA&M
  - Automatically create your Risk Assessment Report
  - (done!) Live Editing of Checklists Online
  - (done!) Better reporting and filtering of data
- September 2020 v 1.0 Enterprise Features
  - Versioning of Checklists
  - More Detailed Reporting
  - Multi-Tenant
  - Versioning and Merging of Nessus ACAS scan data
  - Enterprise Connectors to external systems

# **OpenRMF Testimonials**



"Using the OpenRMF tool, we reduced the three weeks to generate our compliance report down to 5 minutes. And OpenRMF found an error in our compliance we did manually." – former employee of MSG

"With the OpenRMF Tool, we quickly found 2 servers with the exact same hostname we did not see by looking at each checklist individually." - Neany

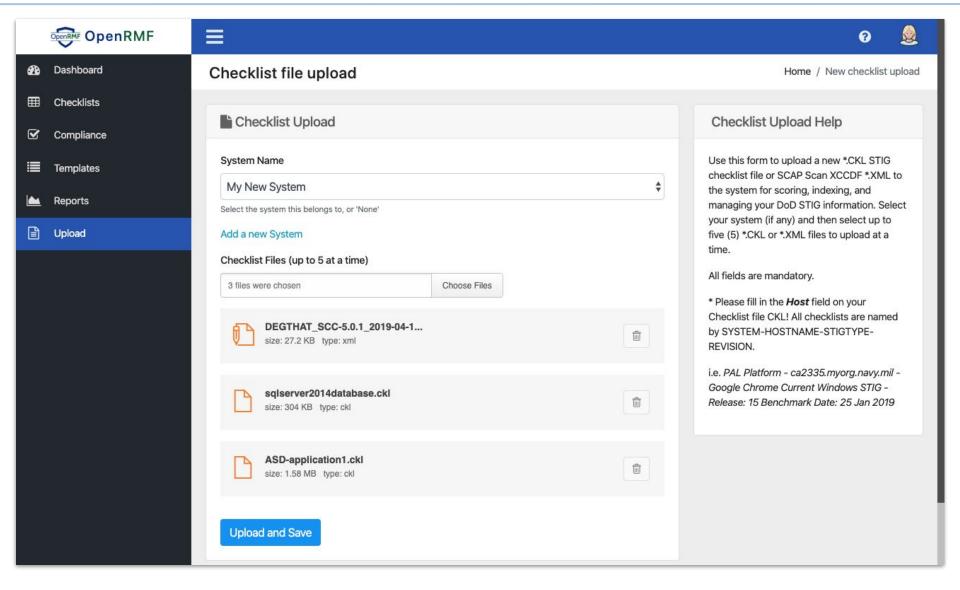
"Using the list of checklists per system, we were able to update management on our number of open items across all checklists within our system in seconds." - Tutela



# **OpenRMF v 0.12 Screenshots**

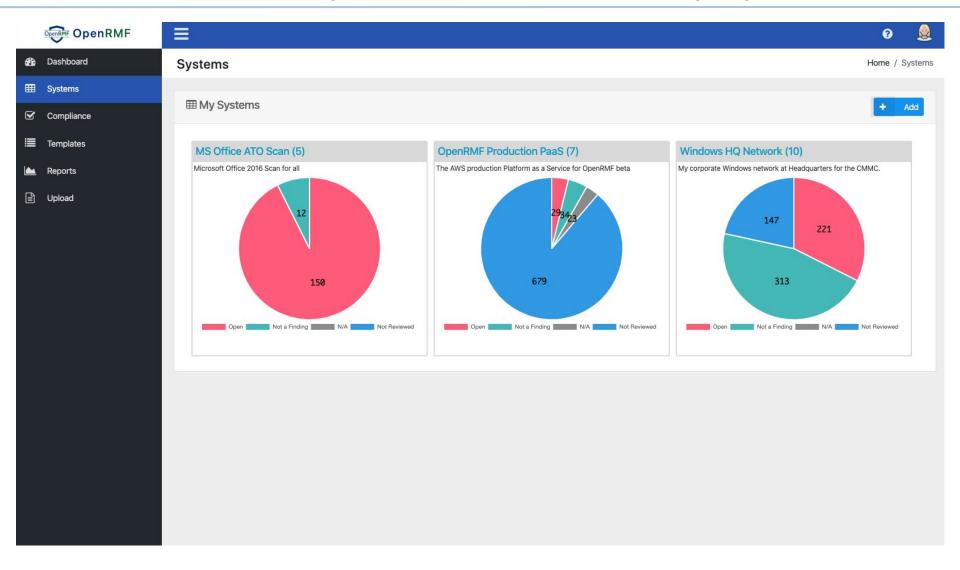
# Screen Shots – OpenRMF Checklist Upload





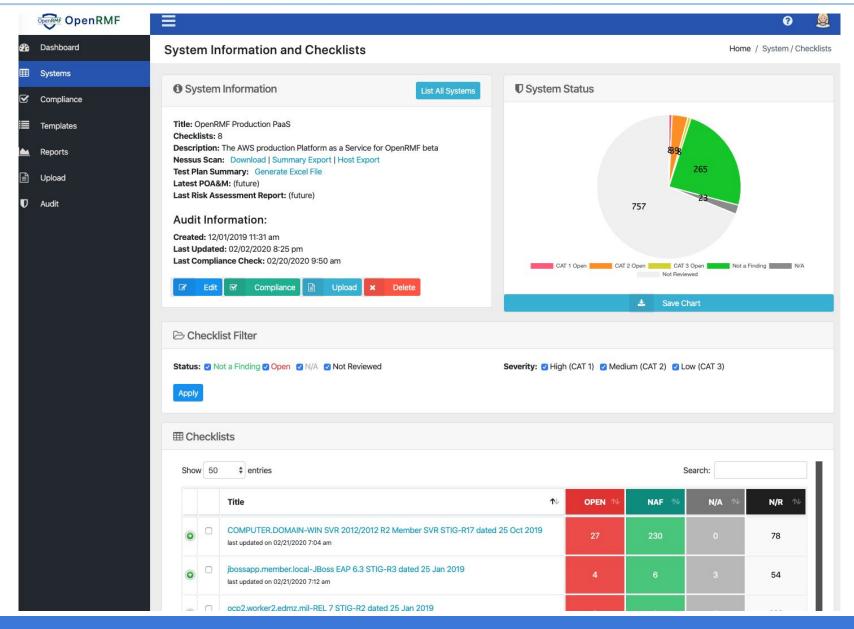
# Screen Shots – OpenRMF Checklists by System





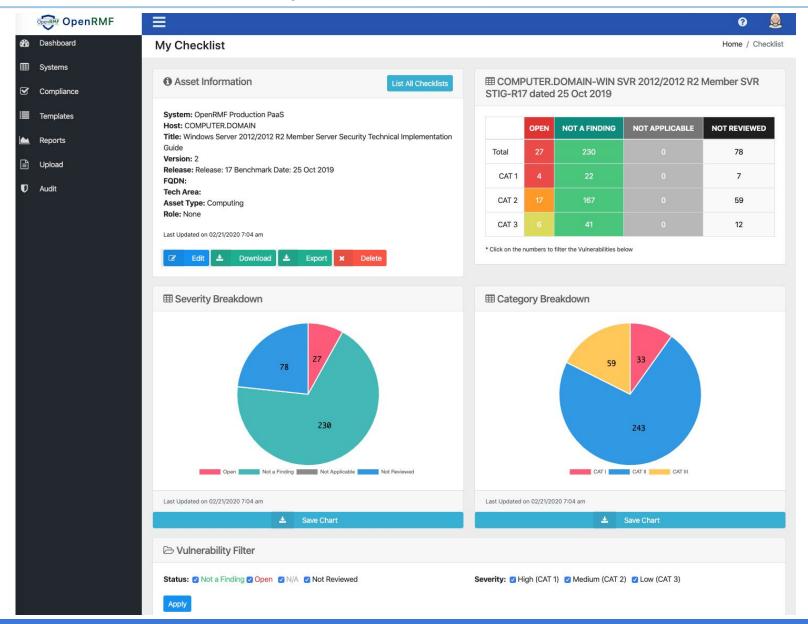
# Screen Shots – OpenRMF System Record





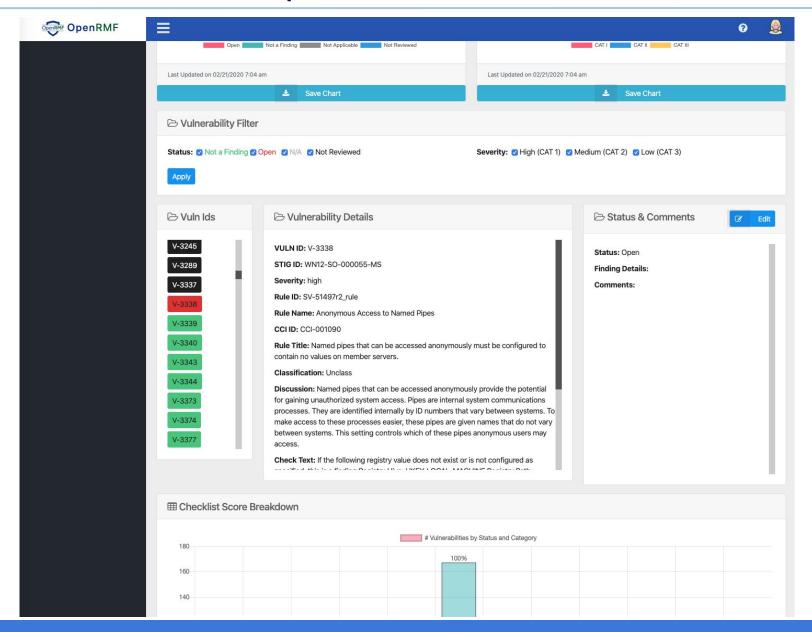
# Screen Shots – OpenRMF Individual Checklist





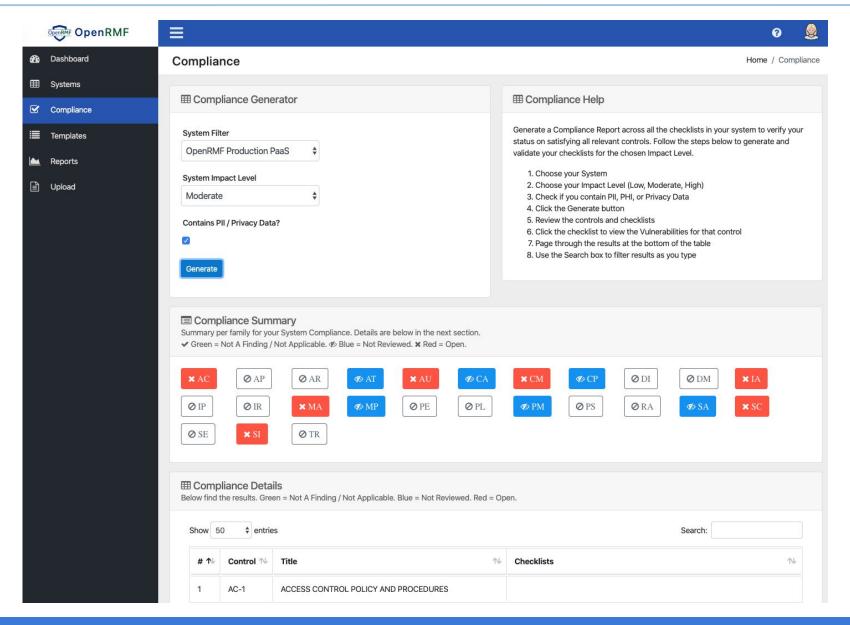
# Screen Shots – OpenRMF Individual Checklist





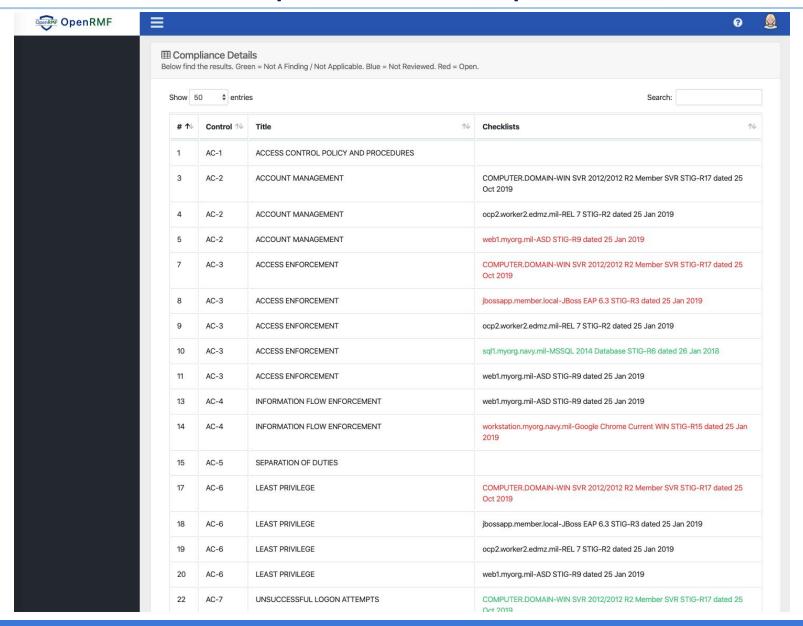
# Screen Shots – OpenRMF Generate Compliance





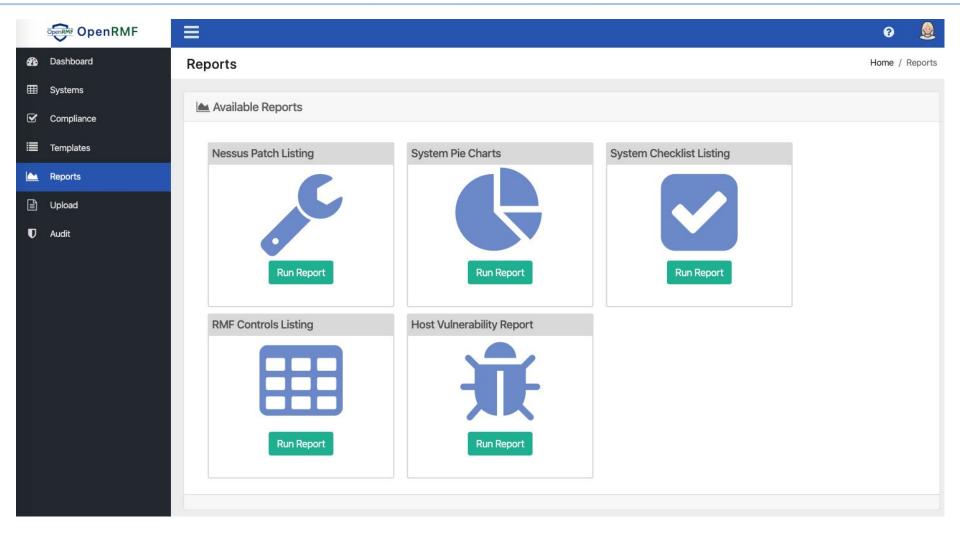
# Screen Shots – OpenRMF Compliance Details





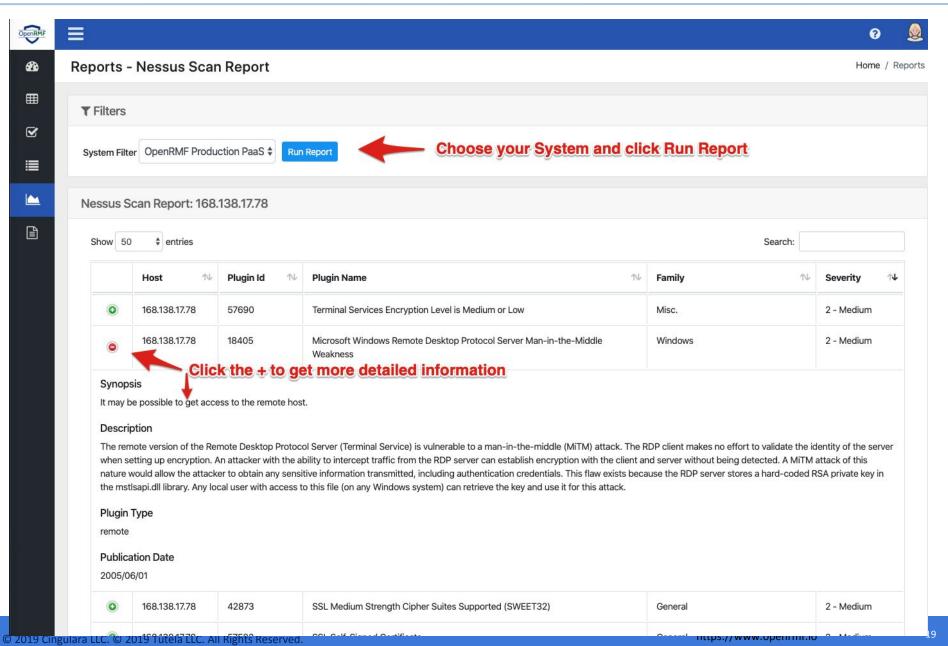
# Screen Shots – OpenRMF Reports





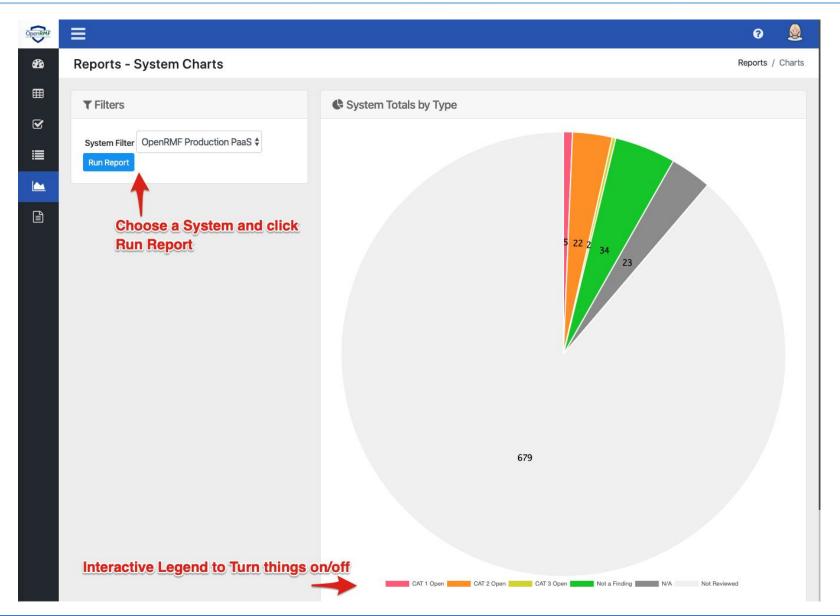
# Screen Shots – OpenRMF Nessus Reports





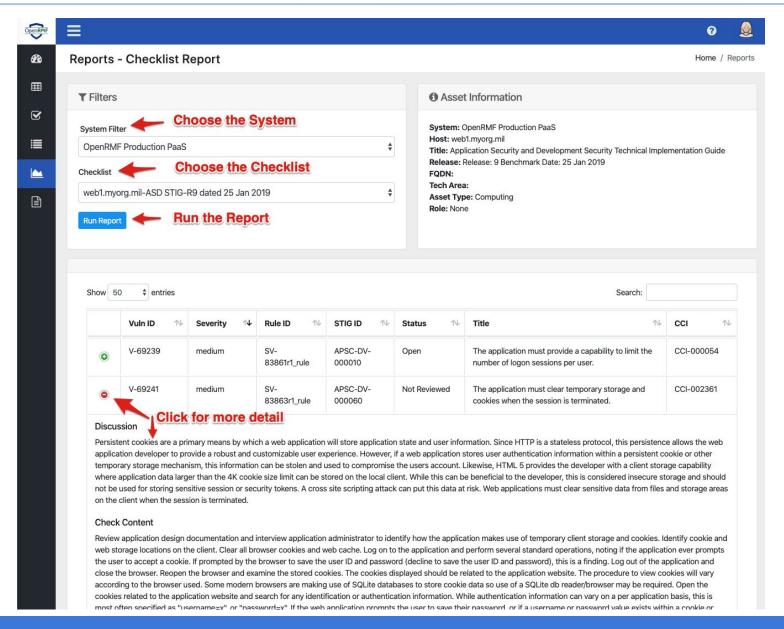
# Screen Shots – OpenRMF System Reports





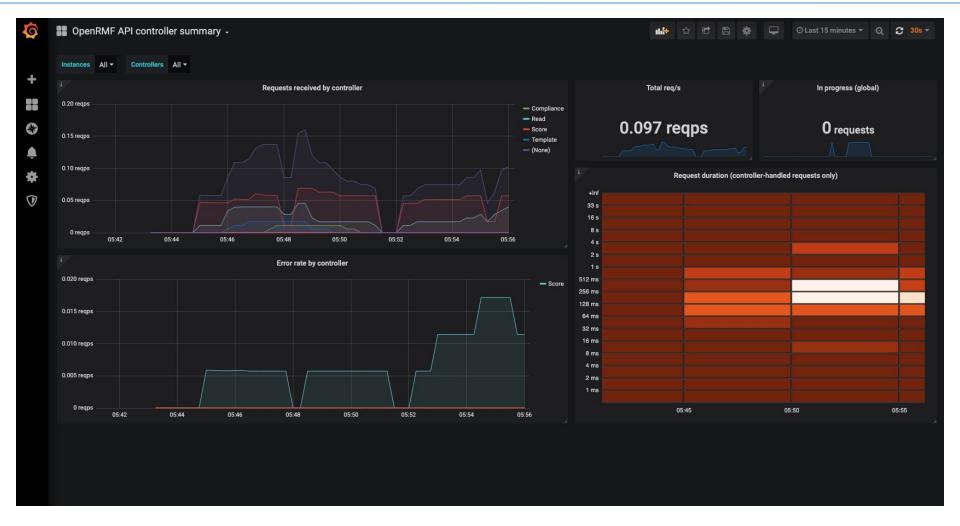
# Screen Shots – OpenRMF Checklist Reports





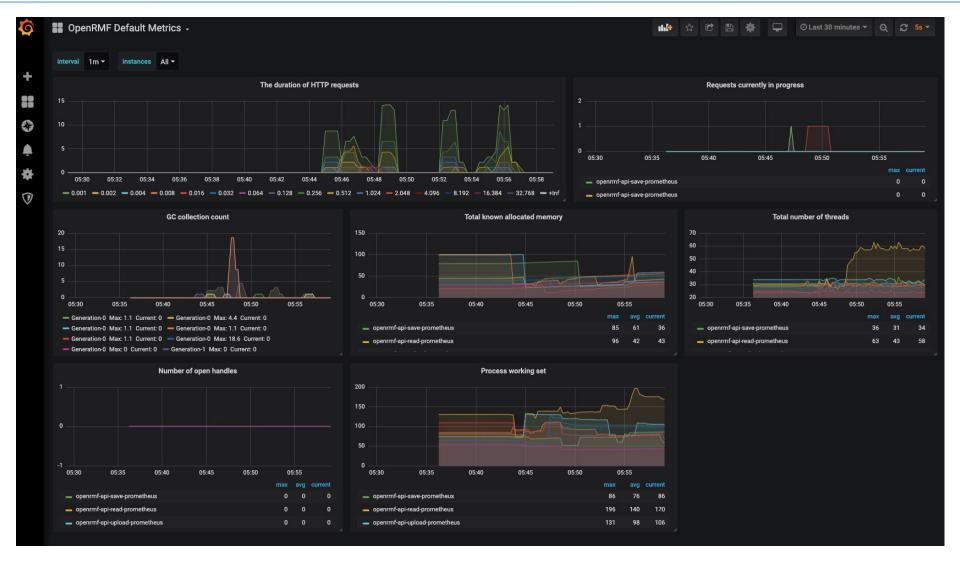
# Screen Shots – OpenRMF Metrics (Grafana)





# Screen Shots – OpenRMF Metrics (Grafana)





# Screen Shots – OpenRMF Metrics (Grafana)



