

Bromium vSentry Status Report

**Andres Nick Georgieff
Technology Development, 9342
Software Systems Engineer
October 9, 2013**



Sandia National Laboratories



Sandia Involvement

Sandia's involvement with Bromium has reached into the following areas of evaluation and collaborative product recommendations and bug reports:

- Security
- Server Support
- User experience
- Application Support
- Desktop Performance
- Enterprise Scalability



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories



Testing Methodology

The following methods were used while testing out the releases of vSentry received for review by Sandia National Laboratories.

Validate that the product:

- Works as advertised and intended
- Integrates with features and functions of the operating system or applications supported by vSentry.
- Meets all security requirements
- Meets or exceeds user experience expectations
- Meets enterprise scalability requirements
- Meets enterprise management requirements
- Supports the Sandia Enterprise Desktop Environment



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.



Sandia National Laboratories



Current Status

- **Reviewing Beta 3 of Version 2.0.**

- Bug reports
- Feature requests
- Deployment/Scalability
- Overall functionality

- **Pilot Preparation**



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories



Findings

Total Items opened with Bromium

48

Fully Resolved & Closed(as of current release)

17

Known Issues

2

Open Items

29

Version Releases

Beta 1: 1 day Beta 2: 5 days Beta 3: 40 days 2.0 GA: N/A



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories



Critical Items

- **Firefox ESR Full Support**
- **Ingress Applications breaking internal installers**
- **.JS, .VBS, etc. downloading as trusted from untrusted locations.**
- **Safe Apps and Ingress apps vulnerable to attack as the whitelisting is done by process name**
- **Save malicious files for IR team.**



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories



High Priority Items

- **RAM allocation for large VMs**
- **Splunk Reporting & Integration**
- **Safe viewing and editing of unknown file types (.css, .js, .vbs)**
- **Quarantine malicious files**
- **FTP support for IE**
- **Wider enterprise deployment support**
- **Training materials for end users**
- **Windows 8 Support**
- **Mac Support**



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories



Moving Forward

2.0 beta fixes have been positive, but not comprehensive.

- Pilot held off until version 2.0 GA is released with expected fixes.
- Post-pilot held off until stable release that contains critical items is released and a successful pilot with feedback is completed.

Continued technical collaboration between Bromium and Sandia.

- Weekly status meeting
- Bug reports
- Optimization/Experience feedback
- Feature requests



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories



Kudos

- **Technical Staff**
- **Engineering Support**
- **Product Development**
- **Sales Staff**



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories



Questions



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.



Sandia National Laboratories