Privileged Identity Management

Take Control of Your Administrative Credentials

Philip Lieberman, President & CEO
phil@liebsoft.com

www.liebsoft.com
sales@liebsoft.com
310-550-8575
800-829-6263
About Lieberman Software

- Founded in 1978, 1994 as an ISV
- Pioneers of Privileged Password Management
- 1200+ Enterprise Customers in all verticals
- Strong presence in Government and National Defense
- Followed by Gartner, Forrester, 451 Group
- US-based, management-owned and profitable
- Technology integrations include:

[Links to logos and technology integrations]
Privileged Accounts
 Everywhere in the Enterprise and Cloud

VM Environments
- Hypervisors
- Library-based VM images

Physical Servers & Desktops
- Administrator, Domain/Local
- Root, Super user, Admin, …

Devices
- Routers, Switches, Gateways
- Light-Out Management Cards, Embedded Systems,…

Databases (DBA + Apps)
- SA, Sysadmin
- SYS, …

Middleware
- Microsoft IIS, JAAS
- IBM WebSphere, Oracle WebLogic

Applications
- Setup, Admin, App Local
- Web Service Accounts, …
Are You At Risk?

Do you know where all your privileged accounts are?

Who is sharing credentials? Are they accountable?

Do passwords change? Are vendor supplied default passwords in use?

Will your passwords withstand dictionary attacks?

Does lack of automation make it impractical to comply with policies?
Positive Control of Privileged Accounts Is a Regulatory / Audit Requirement

Document that You Have Measures In Place To...

<table>
<thead>
<tr>
<th>Identify and track the location of privileged account credentials</th>
<th>Enforce rules for password strength, uniqueness, change frequency</th>
<th>Delegate so that only appropriate personnel can access</th>
<th>Audit and alert to show requesters, access history, purpose, duration, etc.</th>
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<td>AC-2 AC-4</td>
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<td>AC-3 AC-6</td>
<td>AU-3 AU-9</td>
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<td>10.2</td>
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**FISMA**
NIST Special Publication 800-53 R. 3
Defense Contractors, Information Processors

**HIPAA**
Providers, Insurance Plans, Employers, Health Care Clearinghouses

**NERC**
Transmission Service Providers / Owners / Operators, Generation Owners / Operators, Load Serving Entities, ...

**PCI-DSS**
Entities that store, process, or transmit credit card data

**US NRC**
Regulatory Guide 5.71
Operators, Vendors, Contractors

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**Identify**
- AC-2
- AC-4

**Enforce**

**Delegate**
- AC-3
- AC-6

**Audit**
- AU-3
- AU-9

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**AC-2**
- 45§164.308(5)(D)
- 45§164.312(2)(i)

**AC-3**
- 45§164.308(3)(i)
- 45§164.308(3)(B)
- 45§164.308(3)(C)
- 45§164.312(a)(1)

**AU-3**
- 45§164.308(5)(C)
How We Solve The Problem

Mitigate Risks Through Automation
Enterprise Random Password Manager

*How It Works*

- Automatic discovery of systems and devices
- Retrieve identities stored within, find identity usage of middleware and operating system objects
- Randomize credentials, encrypt them and store in a secure repository
- Propagate new credentials to all places they are used
- Enforce secure authentication, authorization and workflows to retrieve credentials, one at a time
- Change passwords and where they are used automatically after disclosure/usage
- Audit all transactions
Results

- No shared credentials
- Every managed credential is unique
- Minimal disclosure of access credentials
- Immediate access to credentials on a need to know basis for the shortest time possible
- Automatic discovery of new credentials and usage
- Works at scale with large numbers of systems and users
- Regular password changes do not cause outages - no incomplete or inaccurate processes
Analytics to Measure Security Coverage & Forensic Analysis

Pinpoint events and trends you’d never detect in logs
Spot Trends and Drill Down to Events

- Find unusual patterns of privileged access
- Identify behavioral changes by individual IT staff
What Differentiates Our Solution?

• Rapid, complete deployments: in days, not months
• Minimal professional services required
• Superior auto-discovery, correlation, propagation and visualization
• Enterprise-ready for scale, scope, and complex, dynamic infrastructures
• Comprehensive, open documentation
• Open standards
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Booth # 241

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- Enter to win a Parrot AR.Drone 2.0 Quadricopter