Tools Security Roadmap

As of April 17, 2018
Managing unused accounts
Plan of action

Terminate and remove unused accounts

Phase 1 (1/26/18)  Only public (read) access  6,281 member accounts  46 non-member accounts

Phase 2 (2/23/18)  Read/Write access  ~25,000 member accounts

Phase 3 (3/26/18)  All previously terminated accounts  ~44,000 accounts
## Upcoming Changes - Access Control

<table>
<thead>
<tr>
<th>Access Control Feature</th>
<th>Details</th>
<th>Target Date</th>
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<tbody>
<tr>
<td>Terminate and remove unused accounts</td>
<td>Phase 1: All accounts with only public/read-only access (9 months)</td>
<td>1/26/2018</td>
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<td>Phase 2: All accounts with read/write access (locked for over 365 days)</td>
<td>2/23/2018</td>
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<td>Phase 3: Previously terminated accounts outside of phases 1 &amp; 2</td>
<td>3/26/2018</td>
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**Customer Action**  
- None

**Customer Impact**  
- None
Single Sign On Upgrade
Upgrade of Single Sign On (SSO) backend for PJM Tools
  – Does not include eDART, eGADS

Impact
  – Login URL/Link Change
    • /das changed to /access
  – Change to length of authentication token

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<thead>
<tr>
<th>Area</th>
<th>Impact</th>
<th>Action Required</th>
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<tbody>
<tr>
<td>UI</td>
<td>The sso login url/link</td>
<td>Change any bookmarks that have the old link</td>
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<tr>
<td>Browserless</td>
<td>Token length is shortened from 106 to 94 characters</td>
<td>Any code that depends on knowing the length of the token will need to change</td>
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Key Points

- Execution in phases
- No impacts to browser based usage
- Potential impact to browserless usage
- Actions to take
  - Update bookmarks as needed
  - Update browserless code as needed
Phases

Phase 1
- Bulletin Board
- Gas Pipeline

Phase 2
- Emergency Procedures
- Data Miner (v1 legacy)
- Billing Line Item Transfer

Phase 3
- DR Hub
- Planning Center
  - Queue Point
  - Gen Model
- Resource Tracker
- FTR Center
- InSchedule
- Power Meter
- Messages
- Etools

Phase 4
- Account Manager
- ExSchedule
- PCLLRW
- Markets Gateway
- Data Viewer
- eCredit
- eRPM
- OASIS
- Voting
- MSRS
URL change details

- **BulletinBoard:**

- **Gaspipeline**
  - NA: No login required for members
• Emergency Procedures:
  – From: `https://sso.pjm.com/das/UI/Login?`
  – To: `https://sso.pjm.com/access/UI/Login?`
• DataMiner (v1):
  - From: https://sso.pjm.com/das/UI/Login?
  - To: https://sso.pjm.com/access/UI/Login?
goto=https%3A%2F%2Fdataminer.pjm.com%3A443%2Fdataminerui%2Fpages%2Fsecure%2FImp.jsf
• Billing Line Item Transfer:
  – From: https://sso.pjm.com/das/UI/Login?
  – To: https://sso.pjm.com/access/UI/Login?
goto=https%3A%2F%2Fbillinglineitemtransfer.pjm.com%3A443%2Fblit%2Fpages%2Fsecure%2F
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**Automated account clean up**

- **Phase 1:** January 26
- **Phase 2:** February 23
- **Phase 3:** March 26

**Single Sign-on Upgrade - Training**

- **Phase 1:** February 15
- **Phase 2:** March 14
- **Phase 3:** April 16
- **Phase 4:** April 19
- **Upgrade:** mid-July

**Single Sign-on Upgrade – Production**

- **Phase 1:** March 15
- **Phase 2:** April 12
- **Phase 3:** May 12
- **Phase 4:** May 24
- **Upgrade:** late August