Tools Security Roadmap

As of July 24, 2018
Single Sign On Upgrade
Background

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
- New parameter ‘realm’ added to authentication response
<table>
<thead>
<tr>
<th>Area</th>
<th>Impact</th>
<th>Action Required</th>
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</thead>
<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 98 characters</td>
<td>Any code that depends on knowing the length of the token will need to change</td>
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<tr>
<td></td>
<td>New parameter “realm” added to authentication response</td>
<td>Any code parsing parameters other than tokenId in the response may need to change</td>
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<td></td>
<td>{&quot;tokenId&quot;:&quot;ovlimWYKW6qvyDbohbAVqqFCark.*&quot;,successUrl&quot;:&quot;/access/console&quot;, &quot;realm&quot;:&quot;/&quot;}</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
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
## 2018 Roadmap for Tools Security

<table>
<thead>
<tr>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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<tbody>
<tr>
<td>Single Sign-on Upgrade</td>
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<td><strong>Train Upgrade:</strong> July 11</td>
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<td><strong>Prod Upgrade:</strong> late August</td>
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