Maintaining PJM Tool Availability

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2 Separate Approaches

**Concurrent Sessions**
- Limit the number of concurrent authenticated sessions (tokens)

**Usage Rates**
- Limit the request rates against the PJM tools
1. Deny access
   • 26\textsuperscript{th} attempt is unsuccessful

2. Invalidate next expiring session
   • Session with longest inactivity time is destroyed on 26\textsuperscript{th} attempt

3. Invalidate oldest session
   • 1\textsuperscript{st} created session is destroyed on 26\textsuperscript{th} attempt
• Late Q3
  – Production implementation