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
Concurrent Sessions - Implementation Options

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
Concurrent Sessions - Implementation

• Late Q3
  – Production implementation