



Maintaining PJM Tool Availability

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Concurrent Sessions

- Limit the number of concurrent authenticated sessions (tokens)

Usage Rates

- Limit the request rates against the PJM tools

1. Deny access

- 26th attempt is unsuccessful

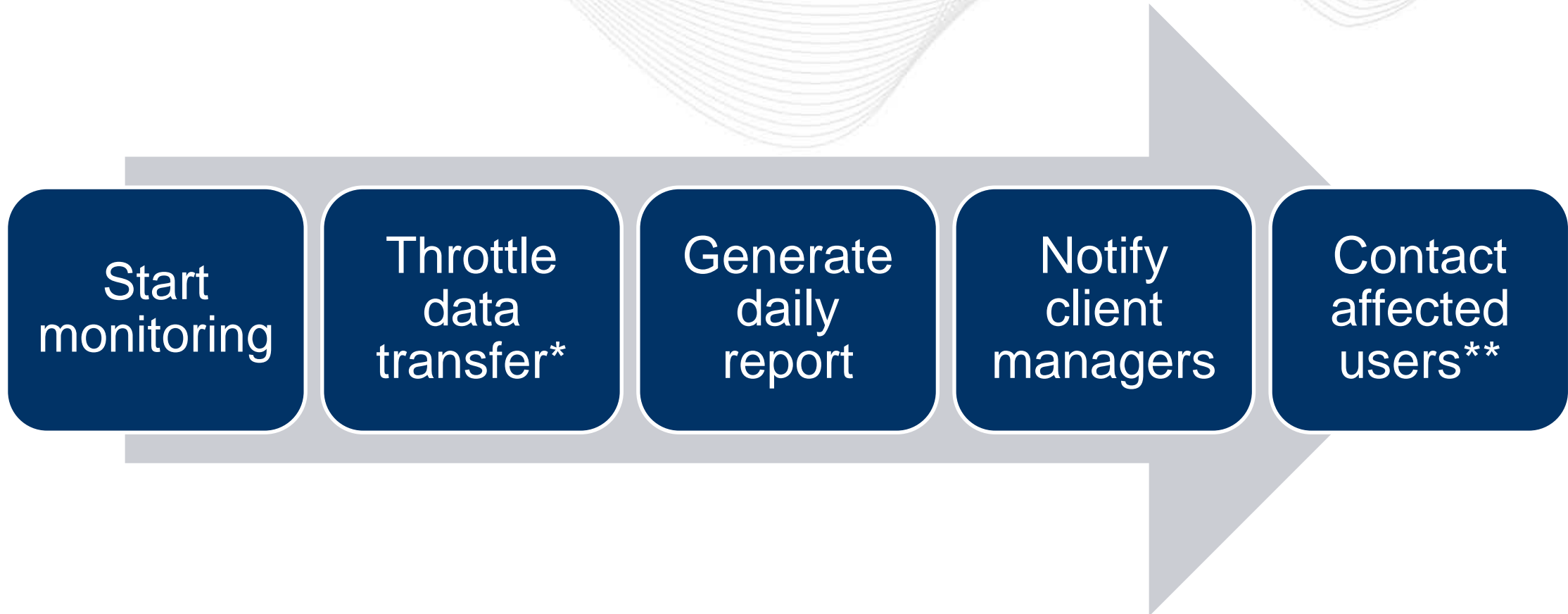
2. Invalidate next expiring session

- Session with longest inactivity time is destroyed on 26th attempt

3. Invalidate oldest session

- 1st created session is destroyed on 26th attempt

- March
 - Production implementation



* Whenever a user goes over the maximum request rate, the response will be an http-503 error

** We will contact affected users when we are able to identify them

- Monitoring will be for a request rate of 10 requests/ half-second
- Data transfers throttled for excessive requests
- The impact of throttling will be a response code of HTTP-503 instead of the expected data
- Data transfer will resume once the throttling period (half-second) is completed.

- **December**
 - December 19th – Production implementation

- If you have questions, please call your client manager and provide the exact error you're seeing – it will help determine if you're being throttled by the system or not.