



Mandatory Browserless/API Two-Factor Authentication Public Key Infrastructure (PKI) Production Implementation

Susan McGill,
Manager, Client Management
February 10, 2022
Operations Committee



MANDATORY ACTION REQUIRED

Browserless/API Two-Factor Authentication Public Key Infrastructure (PKI) Production Implementation

Action on the following tools must occur by 4 p.m. on the following dates:

Feb. 23

- InSchedule
- Power Meter
- FTR Center

Mar. 2

DR Hub

Mar. 16

Capacity Exchange

Mar. 23

MSRS

Mar. 30

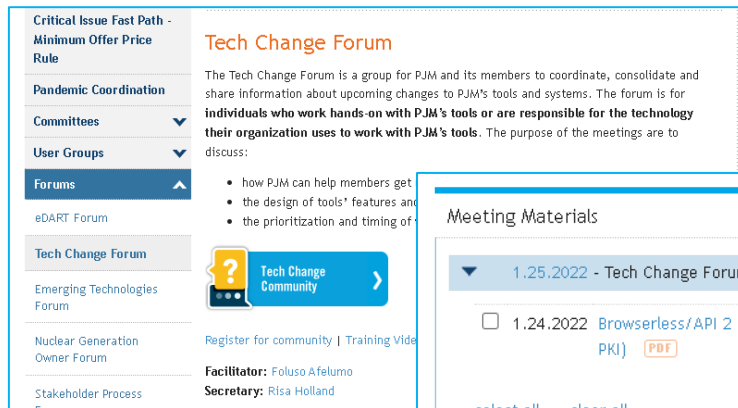
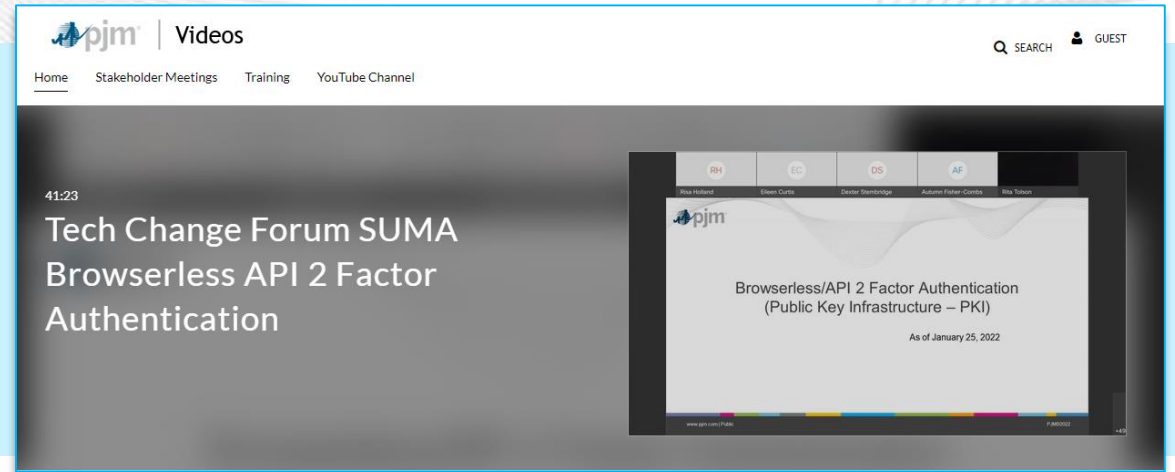
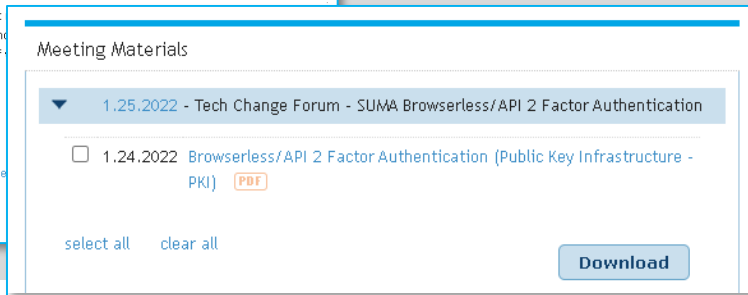
Markets Gateway

- Without the PKI certificates, browserless users will be unable to access these tools.
- Communicate the mandatory PKI requirement with your technical staff.
- Visit the [Tech Change Forum](#) on PJM.com > Committees & Groups > Forums

Additional Tech Change Forum Resources Available

Watch the Tech Change Forum SUMA Browserless API Two-Factor Authentication stakeholder meeting video:

Videos.pjm.com > Stakeholder Meetings > [Tech Change Forum SUMA Browserless API 2 Factor Authentication](#)

A screenshot of the PJM website's 'Tech Change Forum' page. The page has a left sidebar with navigation links: 'Critical Issue Fast Path - Minimum Offer Price Rule', 'Pandemic Coordination', 'Committees', 'User Groups', 'Forums', 'eDART Forum', 'Tech Change Forum', 'Emerging Technologies Forum', 'Nuclear Generation Owner Forum', and 'Stakeholder Process'. The main content area is titled 'Tech Change Forum' and includes a description: 'The Tech Change Forum is a group for PJM and its members to coordinate, consolidate and share information about upcoming changes to PJM's tools and systems. The forum is for individuals who work hands-on with PJM's tools or are responsible for the technology their organization uses to work with PJM's tools. The purpose of the meetings are to discuss:'. Below this is a list of topics: 'how PJM can help members get...', 'the design of tools' features and...', and 'the prioritization and timing of...'. There is a 'Tech Change Community' button with a question mark icon. At the bottom, it says 'Facilitator: Foluso Afelumo' and 'Secretary: Risa Holland'.A screenshot of the 'Meeting Materials' section on the PJM website. It shows a list of meeting materials with a dropdown menu. The selected item is '1.25.2022 - Tech Change Forum - SUMA Browserless/API 2 Factor Authentication'. Below it is a checkbox for '1.24.2022 Browserless/API 2 Factor Authentication (Public Key Infrastructure - PKI)' with a PDF icon. At the bottom, there are 'select all' and 'clear all' links, and a 'Download' button.

Download the Tech Change Forum SUMA Browserless API Two-Factor Authentication meeting materials:

PJM.com > Committees & Groups > Tech Change Forum > Jan. 25 Meeting Materials > [Browserless/API 2 Factor Authentication](#)

Additional Resources Available on the PJM Tools Security Page



PJM.com > Markets & Operations > PJM Tools > [PJM Security](#)

Data Directory	PJM Security
Interregional Data Map	
PJM Tools	PJM has the responsibility to ensure the integrity and confidentiality of the systems and data (provided by members or derived by PJM) at PJM. In pursuing this responsibility, PJM employs a variety of security techniques, including the use of strong passwords to authorize user requests for access to data and systems.
PJM Security	
System Requirements	Frequently Asked Questions
Upcoming Changes	Certificate Replacement FAQ PDF
Tools Information	PKI Certificates & Two-Step Verification Browserless/API PDF
Account Manager	Two-Step Verification PDF
Automated Combustion Turbine Notification Program	Training
Billing Line Item Transfer	Authentication and Single Sign On Enhancements for PJM Tools
	Browserless/API 2 Factor Authentication
	Public Key Infrastructure (PKI) Demonstration
	PKI Certificate Authentication: Java Code Sample PDF .net Code Sample PDF
	PKI Export Public Keys PDF PKI Authentication Guide PDF

- **Review the PKI Certificate Replacement FAQ:**
PJM.com > Markets & Operations > PJM Tools > PJM Security > [Certificate Replacement FAQ](#)
- **Learn how to export public keys:**
PJM.com > Markets & Operations > PJM Tools > PJM Security > [PKI Export Public Keys](#)
- **View the PKI Authentication Guide:**
PJM.com > Markets & Operations > PJM Tools > PJM Security > [PKI Authentication Guide](#)

View the most recent presentation on PKI certificates:

PJM.com > Committees & Groups > Forums > Tech Change Forum > [Tools Security Update](#)

Critical Issue Fast Path - Minimum Offer Price Rule	Tech Change Forum
Pandemic Coordination	The Tech Change Forum is a group for PJM and its members to coordinate, consolidate and share information about upcoming changes to PJM's tools and systems. The forum is for individuals who work hands-on with PJM's tools or are responsible for the technology their organization uses to work with PJM's tools. The purpose of the meetings are to discuss:
Committees	<ul style="list-style-type: none">• how PJM can help members get ready for planned changes,• the design of tools' features and• the prioritization and timing of when changes will be implemented.
User Groups	
Forums	
eDART Forum	
Tech Change Forum	
Emerging Technologies	



Presenter:
Susan McGill

Susan.McGill@pjm.com

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Authentication Public Key Infrastructure
(PKI) Production Implementation.



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

**PROTECT THE
POWER GRID
THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

