

DREAM Platform

<u>Demand Response Energy & Asset Management</u> For Commercial and Residential Buildings







CTA-2045 Standard











AC powered First to UL 916 June 2016







CTA-2045 Standard











AC powered First to UL 916 June 2016

April 2016

Silver Spring









The CTA-2045 EcoSystem

Electric Vehicle Chargers

Heaters

Hot Water Thermostats, Mini-Splits, PTACs Pumps

Pool





















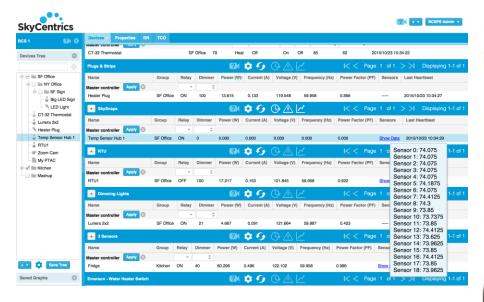




SkyCentrics Compelling Customer Experience

The Portal is POWERFUL

The App is EASY







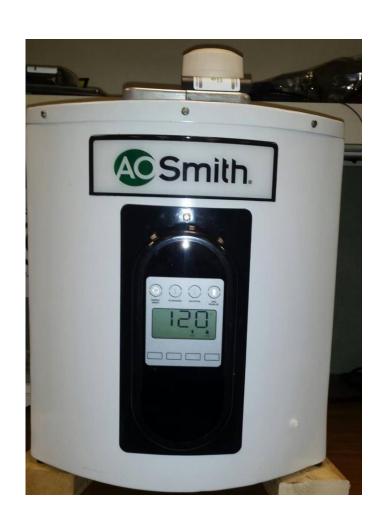


Control, Schedule, Monitor





AO Smith Water Heater



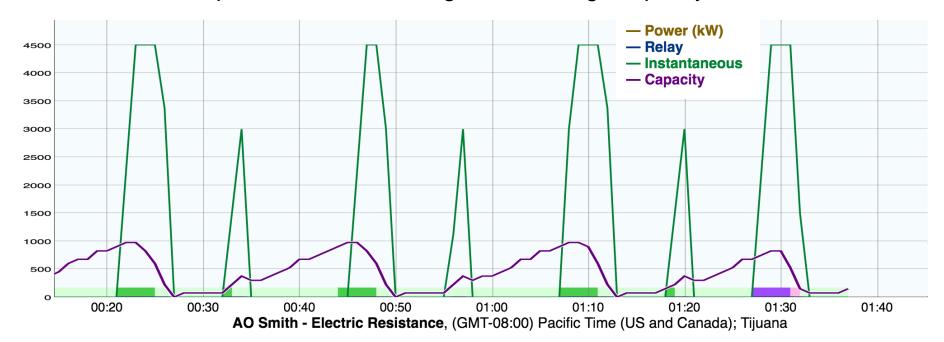


AC Wi-Fi Module



Why AO Smith Water Heaters?

Reports both Power usage AND storage capacity

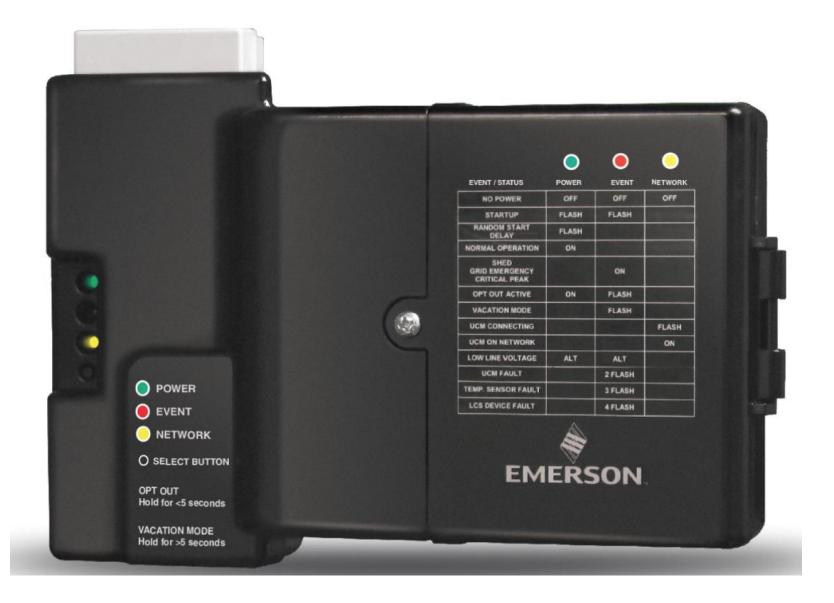


Responds to "Load Up"

Running Heightened



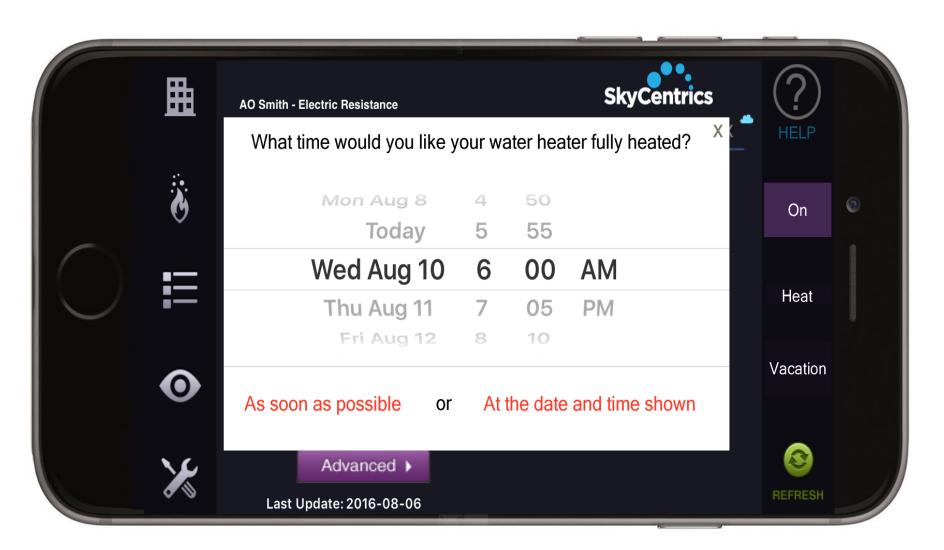
SkyCentrics Emerson Water Heater Switch





SkyCentrics How does SkyCentrics add value?

Comfort on demand or on schedule.

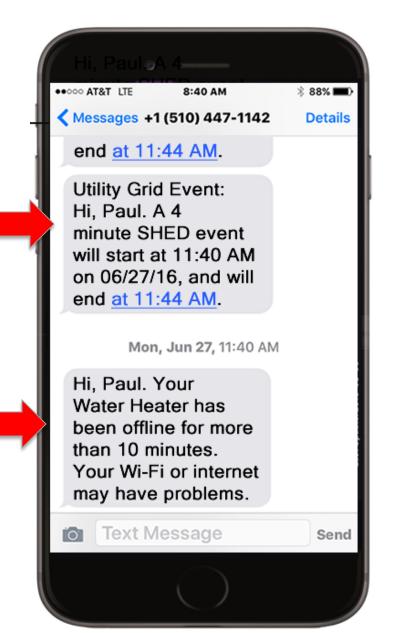


SkyCentrics How does SkyCentrics add value?

Customer Engagement

We deliver value to the building owner with engaging apps, or valued communication that motivate him to keep his devices online.

When that does not work, we can also deliver email and text alerts.

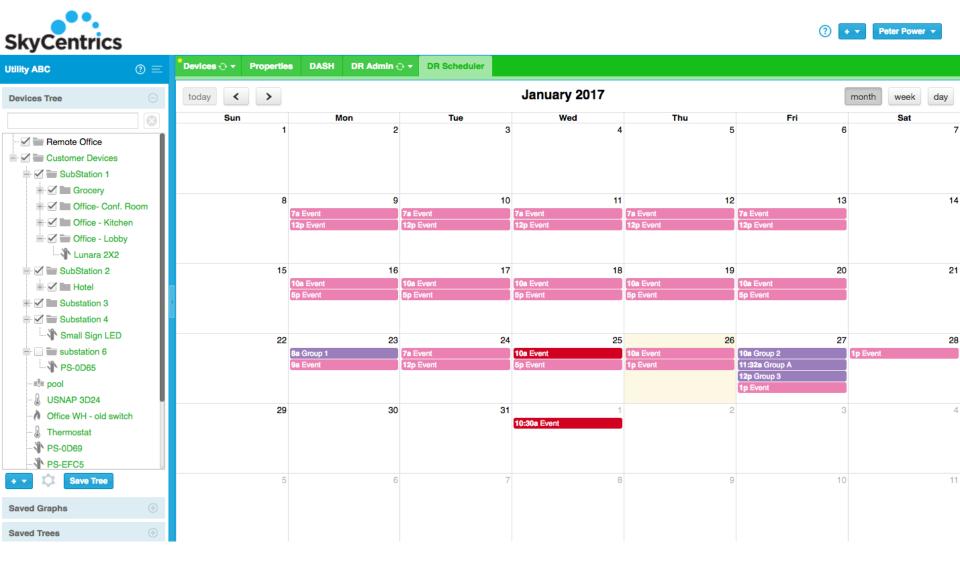




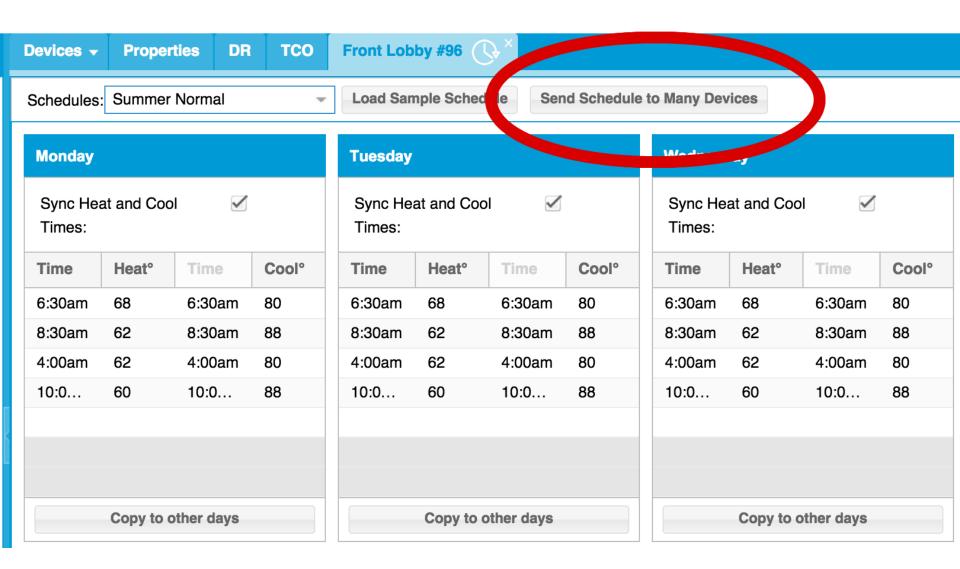
UTILITIES can group customer devices by substation



Calendar Interface for creating DR events



Schedule 1,000 devices with one click





The DREAM Platform

Demand Response, Energy & Asset Management

Apps

Device management portal for utility and property owners / managers iOS & Android Apps

Rest API

Flexible partnerships with web and mobile apps on the SkyCentrics API

Cloud

Private or shared cloud Enterprise-grade security Scalable and redundant

Firmware

OTA updates TLS/SSL to cloud, MQTT to cloud Security and low latency commands

Hardware

Plug & Play Sensors



CTA-2045 Device **Controllers**



USNAP (DC)

Thermostats

EV Chargers

Water Heaters

Mini-splits

SkySnap 100 **USNAP (AC)**

Water Heaters **BLE Sensor Gateway** Temp, Humidity, Pressure Pool Pumps PTAC / AC Door Open/Close Water Leak

Microphone SkySnap 200

7 Circuit Sub-Metering 1-wire Temperature sensors 2 on/off relays 2 x 0-10V dimmers

Flexible Communications



SkySense Sensors







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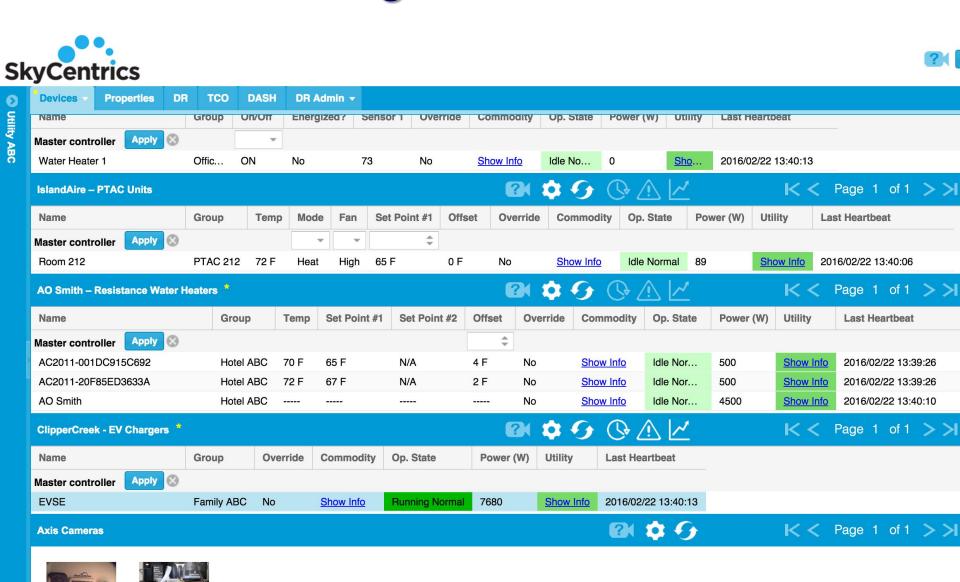
Hardware

Plug & Play
Peel & Stick
Set & Forget
Open Standards

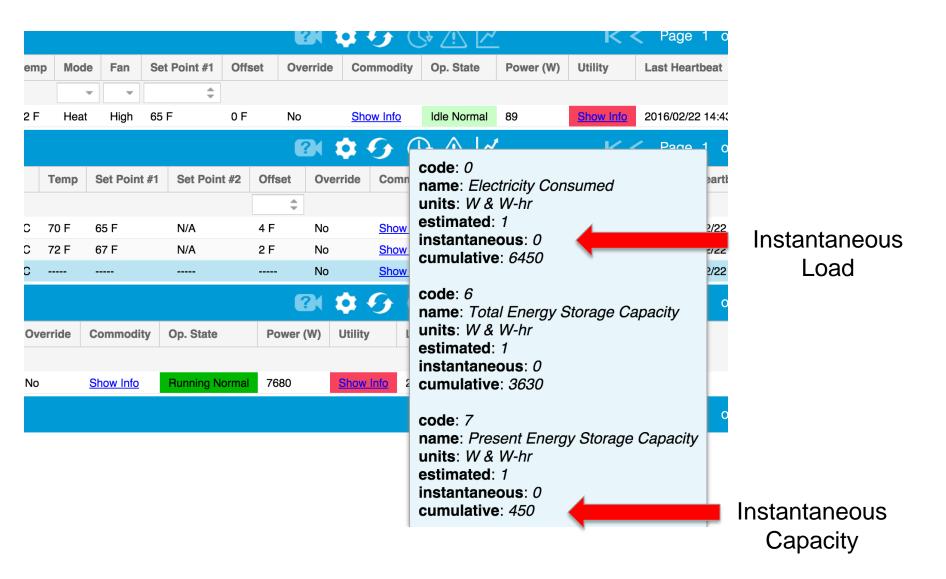
Idle and Running Normal

Lobby Cam

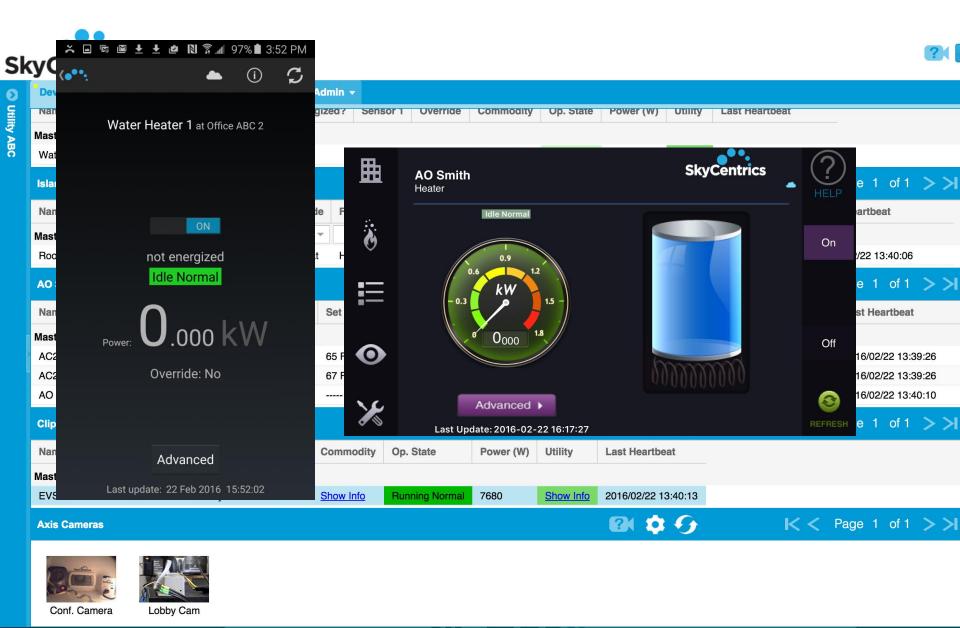
Conf. Camera



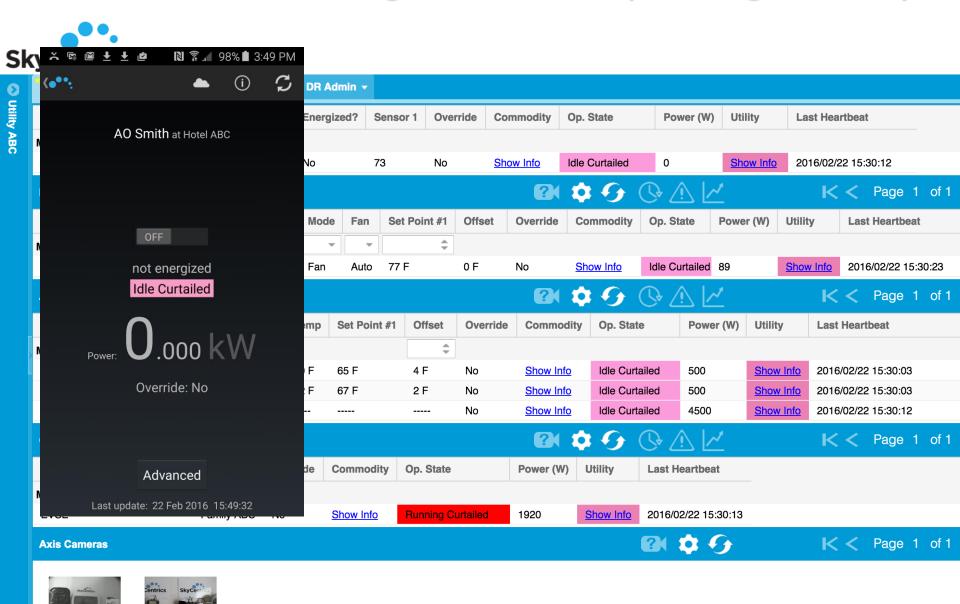
Load and Capacity Real Time Data



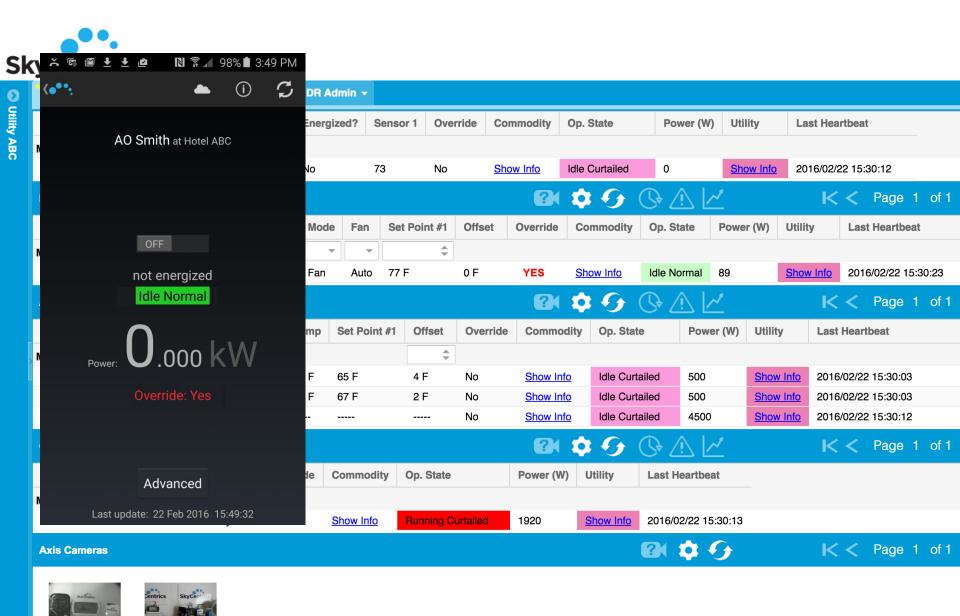
Idle and Running Normal



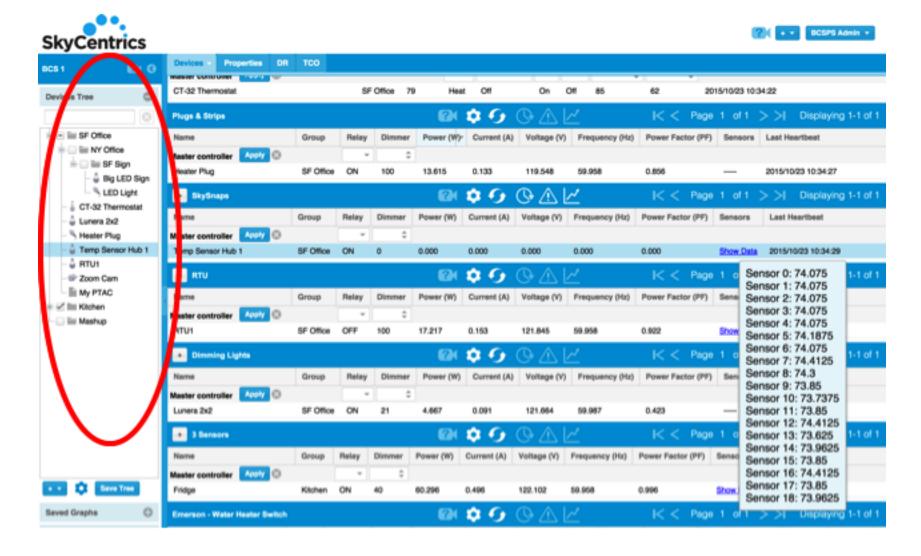
Idle and Running Curtailed (during event)



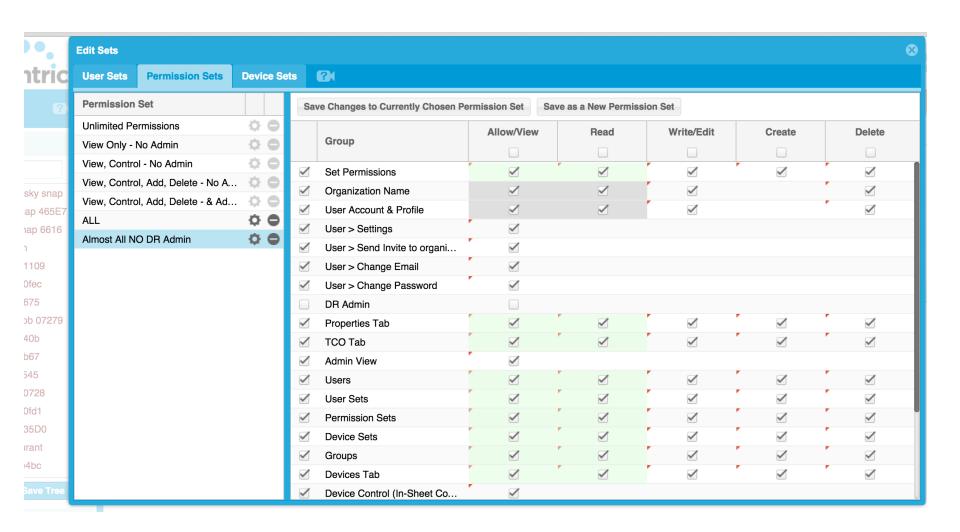
Customer Override Indicators



Infinite Grouping



Granular Permissions





Thank you