



Intelligent Power for
Smarter Buildings

<http://domatic.io>

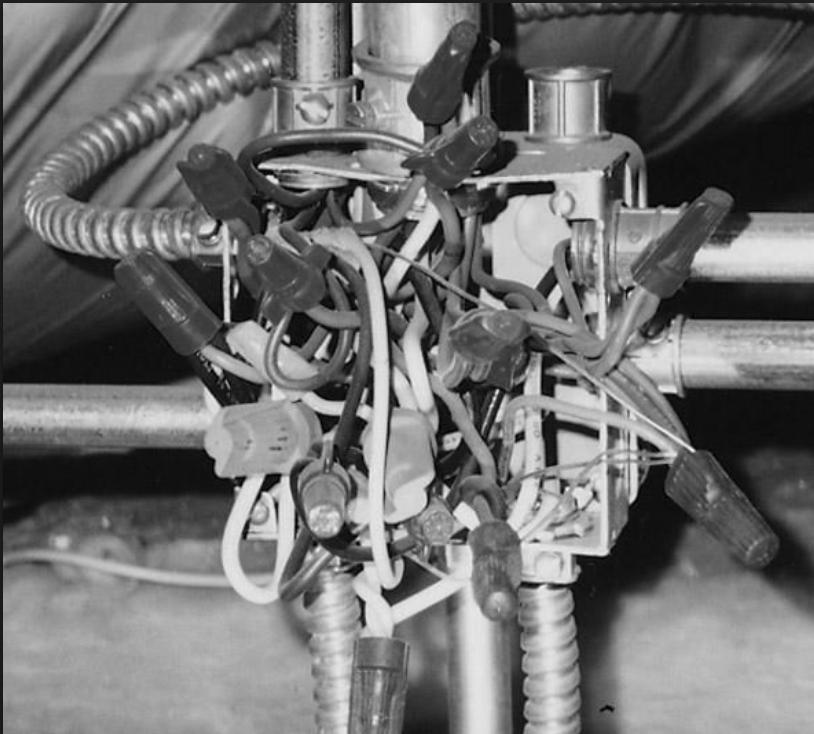
jim@domatic.io



For builders who want to create sustainable buildings that are efficient to operate, Domatic is a new approach to electrical that combines safe power distribution with a data network making every fixture intelligent.

Unlike traditional AC wiring, Domatic is fast and safe to install, reduces inspection overhead, increases energy efficiency, enables data analytics for improved operations, and creates a modern, healthier environment for tenants.

High Voltage Wiring is Overkill



Dangerous



Permits, Inspections, Skilled Labor

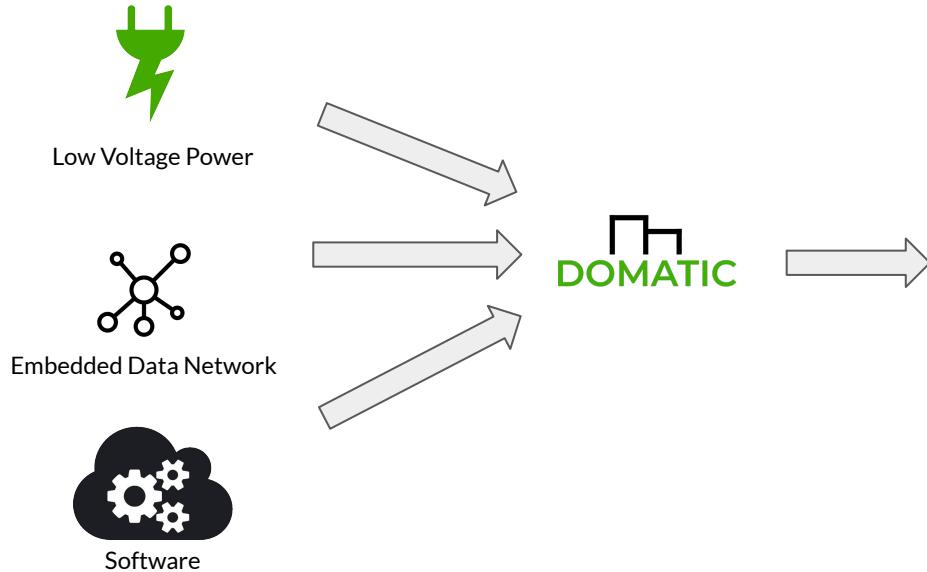
Unnecessary



$\frac{3}{4}$ of a building's fixtures (everything but outlets) can be served by a safer power delivery.

Power, Communication, Intelligence

...together at last.



- Simple, Safe Installation
- Low Inspection Overhead
- Automatic Commissioning
- Energy Efficiency
- Operational Efficiency
- Better Occupant Experience
- Robust Fixture Ecosystem
- Integration and Innovation Platform
- All fixtures are natively connected

Low-Voltage Power and Data

Single-Pair Distribution

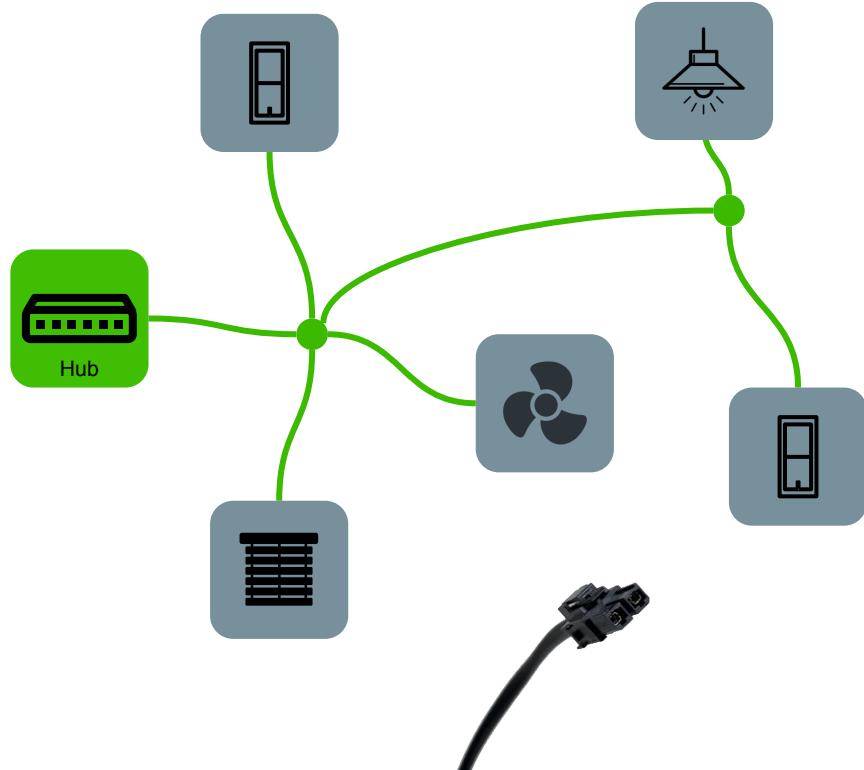
Low-Voltage, Class 2/SELV DC Power
AWG16 Single-Pair Wire
Embedded Data on Same Wires

Arbitrary Topology

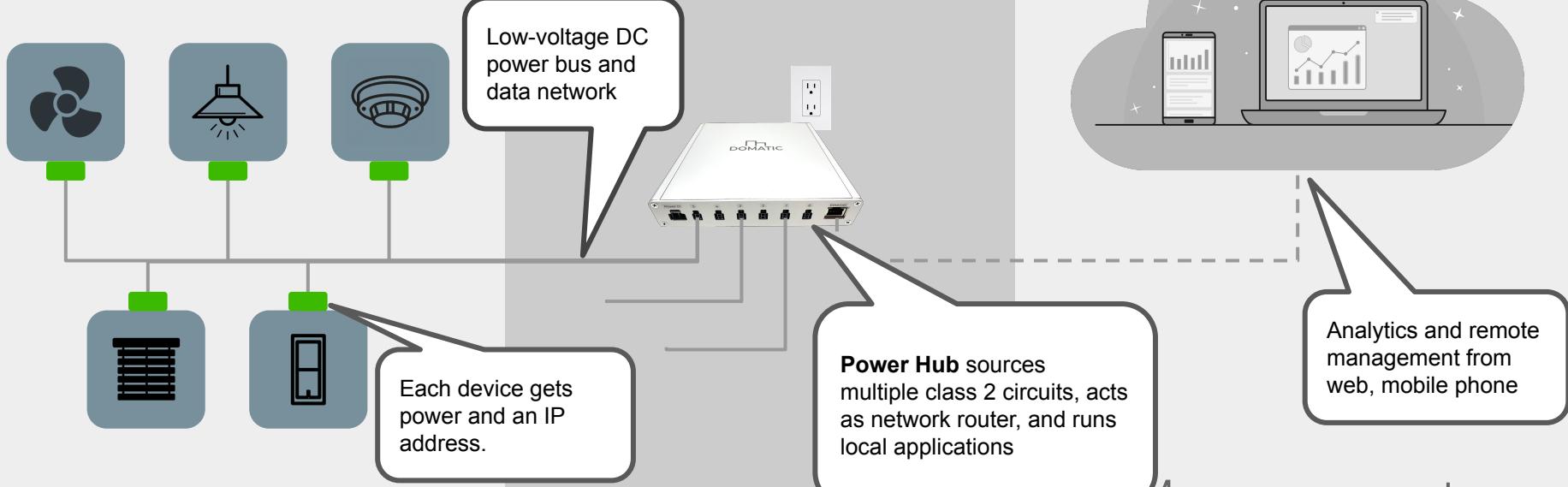
Branching and Daisy-Chaining

Powers and Connects a Lot of Stuff

Lighting
Ventilation
Blinds/Shutters
Switches
Sensors
Smoke Detectors
Door Access
Cameras



How Domatic Works



Components for
Enabling Fixtures

Power and
Connectivity

Management,
Integration,
Intelligence

The Building's Network

Power and Data on the Same Wire

Permanent

Hard-wired connections

Simple

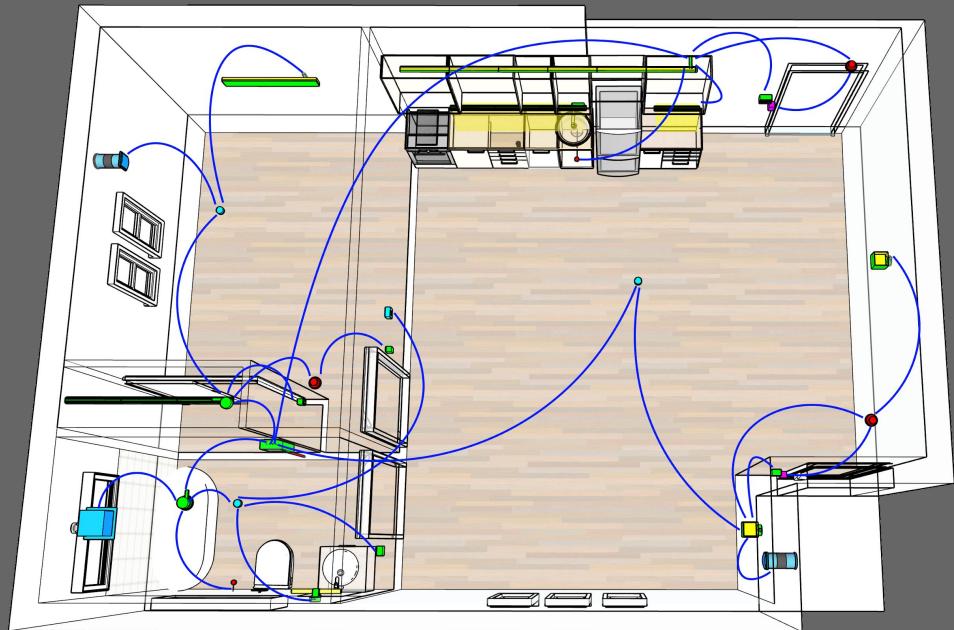
Automatic provisioning

Robust

No wireless interference or obsolescence

Intelligent

All fixtures are implicitly smart



The Domatic Power Hub

A Local Brain for Applications

Power Manager

Enforces class 2 requirements on each port

Selects source power (solar, emergency backup)

Network Hub

Acts as network manager for Domatic devices

Field Upgrades

Updates itself as well as firmware in devices

Application Manager

Lighting control

Security/Access Control

Balanced Air Control

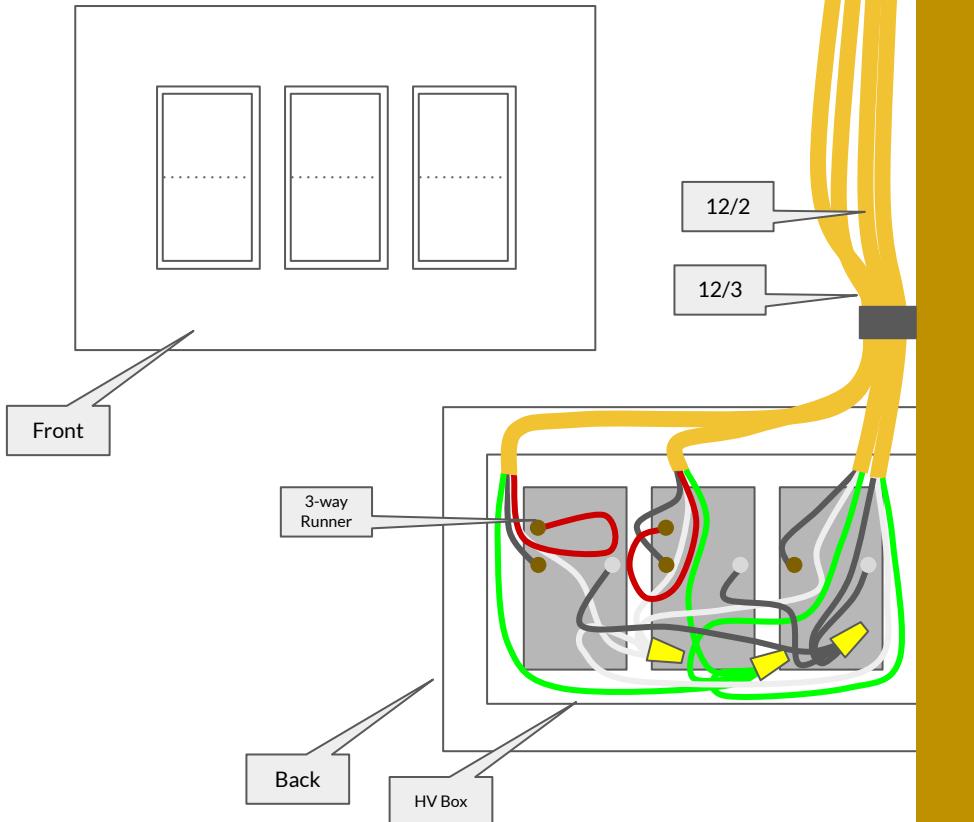
HVAC optimization

Sensor monitoring/alerts



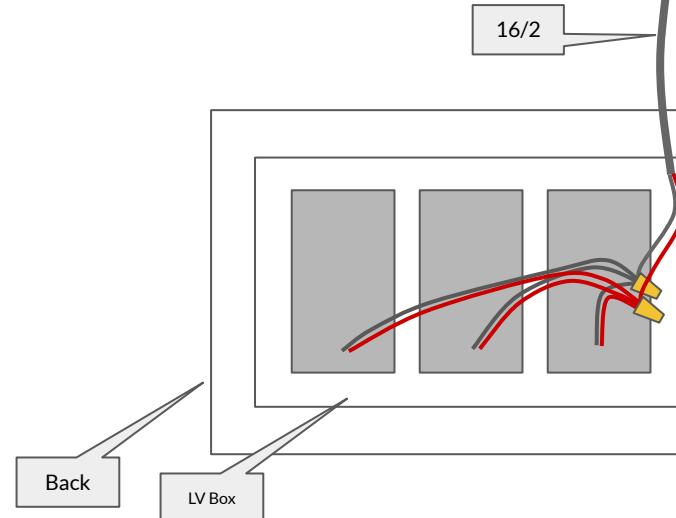
Simpler Wiring

Stop Cramming Wires into Boxes



DOMATIC

No MC
No conduit
74% less copper



The Domatic Cloud

The screenshot displays several panels of the Domatic BMS Portal:

- Organization Management:** A modal window titled "Organization: Domatic" shows options to "LAUNCH", "Provisioning Mode", and "Power OK". It also lists existing organizations: Just Jim, Domatic, Common, SLI, Schneider Electric, and a "+ New Organization" button.
- Device Provisioning:** A separate window titled "Domo Dev - Rock Pi on the Wall (domo-dev) (master build 1186)" shows recent backups and a "BACKUP NOW" button.
- Door Access Control:** A panel titled "Door Access" includes a map of a building layout, a "Welcome to Domatic." message, and a "Door Bell" section for "Chinese Apartment Ding Dong". Buttons for "TEST" and "CREATE DEVICE" are present.
- Emergency Configuration:** A panel titled "815 High" shows the status of "Domo Dev - Rock Pi on the Wall (domo-dev)", which is last seen at 5:10 PM. It includes tabs for "Detail", "Location", "Emergency" (which is selected), "Logging", and "Update". Under "Emergency", it shows "Power OK" and "Test Emergency Mode".
- Device List:** A table titled "Devices" lists items such as a Buzzer (Timestamp: 01/27/2021, Modified: 01/27/2021), a Zeus Hub (Timestamp: 07/01/2021, Modified: Today at 5:08 PM), and several fan entries (Timestamp: 12/06/2021, Modified: 11/05/2021).

Multi-Building Management
User roles, account management

Device/System Alerts
Know when a fixture is failing or a sensor has detected an anomaly

Access Control
Manage smart cards/key codes for tenants, employees

Emergency Configuration
Manage egress lighting for power outages

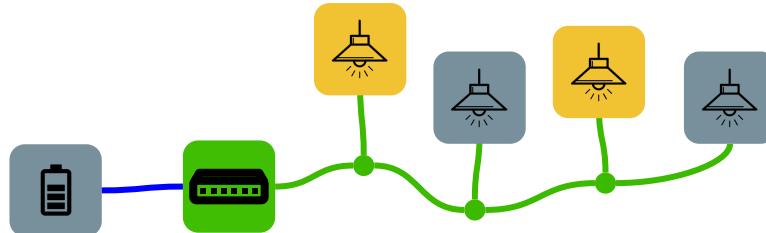
Simple Integration
Cloud-based APIs that work with major BMS systems



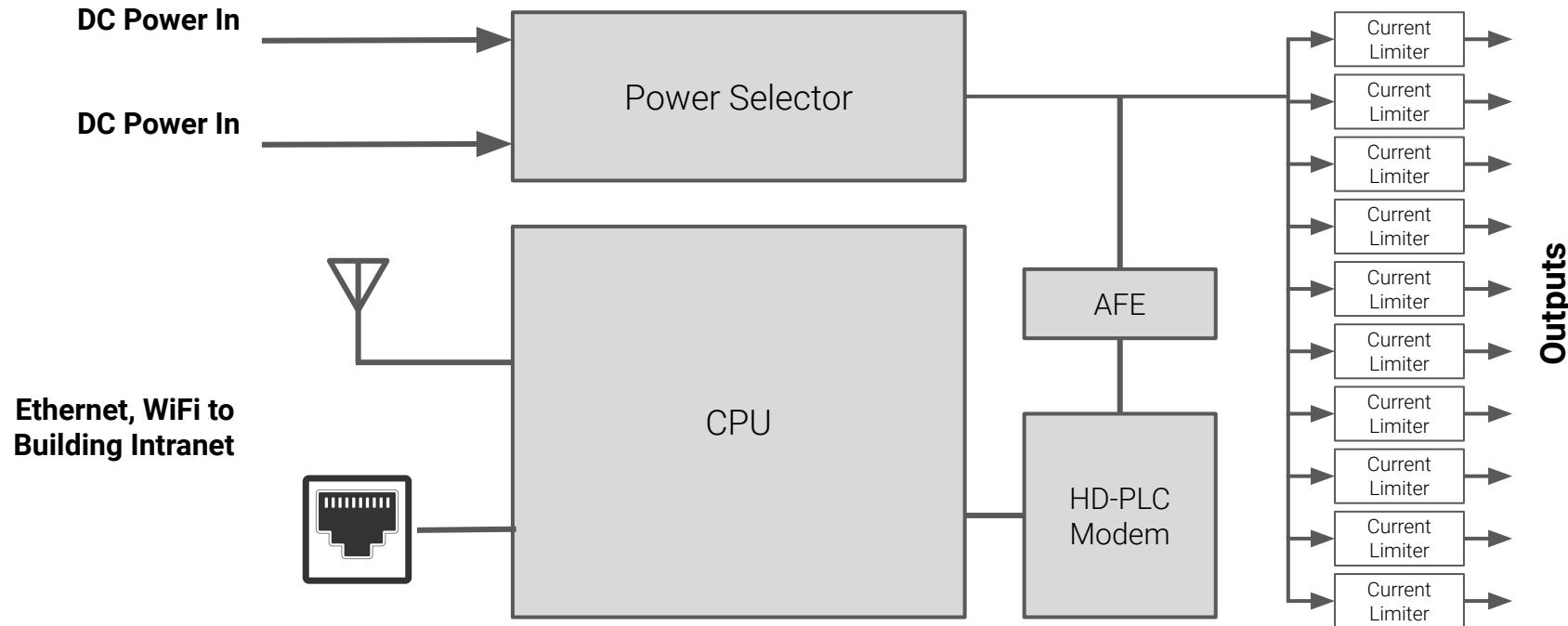
Emergency Pathway Lighting

Reduce wiring overhead and simplify controls and ongoing maintenance.

- Single monitored UL924 battery, alerts when maintenance needed
- Normal fixtures designated as E.P.L. in software
- Automatic override to minimum levels during outages to meet required duration
- No impact to controls during normal operation



Power Hub Block Diagram



Demo Videos



System Demo



Flicker Elimination



Re-Inventing the Way Buildings are Powered



<http://domatic.io>



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THE USB OF
BUILDING WIRING

ENERGY AND
OPERATIONALLY |
EFFICIENT

BETTER
OCCUPANT
EXPERIENCE

Why Domatic?

For Builders



- Better product at lower cost
- Faster installation, reduced inspections/delays
- Fewer subcontractors

For Operators



- Maintenance alerts (moisture sensors, failed components)
- Integrated access control
- Energy efficiency

For Occupants



- Healthier lighting (circadian, flicker-free)
- Better air quality (balanced air, better HVAC control)
- Modern conveniences (automation, preferred voice assistants)

Meet the Team



Jim Baldwin
CEO



Firewire



CTO, Television (at&t
Uverse)



VP, Digital Home Group



Gladys Wong
VP ENGINEERING



Ethernet/WiFi/Bluetooth



COO

TEAM BACKGROUND



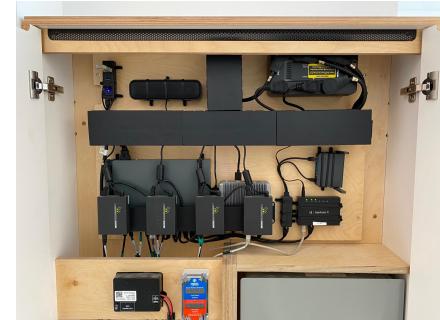
ALCHEMIST ACCELERATOR



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