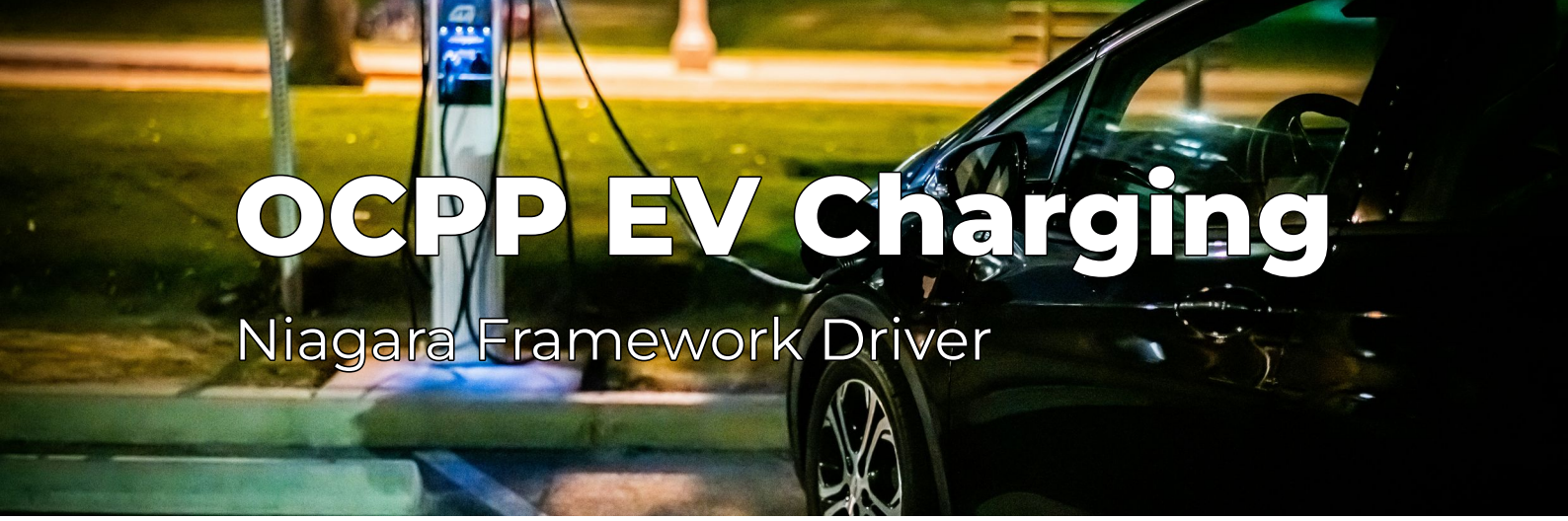
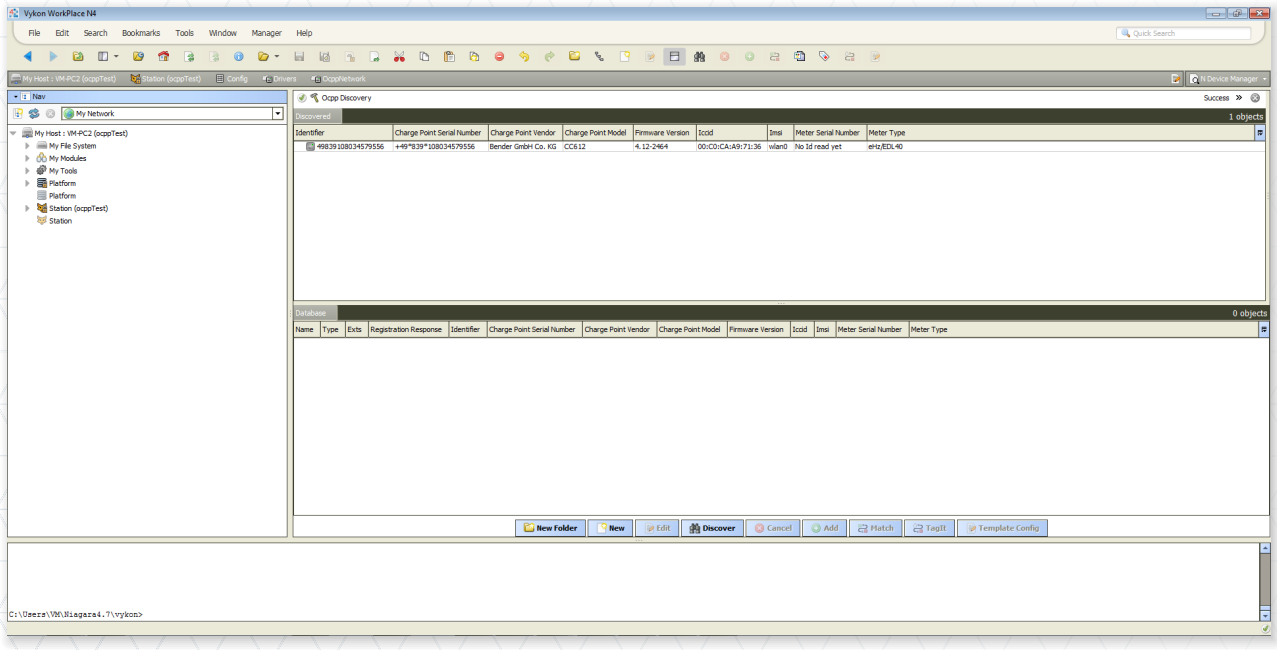


OCPP EV Charging

Niagara Framework Driver

The OCPP driver transforms Tridium Niagara into an OCPP Central System, enabling integrated EV charging management alongside building automation from a single platform.
The driver supports OCPP-J 1.6 over SSL-encrypted WebSocket, providing secure communication with any compliant EV charge point. Core, Smart Charging, and Remote Trigger profiles enable comprehensive charger management including per-connector monitoring, transaction authorization, and power throttling.
Smart Charging capabilities allow dynamic power and current adjustment based on building load, grid signals, or time-of-use tariffs. Transaction logging and authorization via configurable black/white lists provide full operational control.
The driver works with OCPP 1.6 compliant EV charge points from any manufacturer, making it a vendor-neutral solution for building-integrated EV charging infrastructure.

- ✓ OCPP-J 1.6 (JSON over WebSocket) with SSL
- ✓ Acts as Central System within Niagara
- ✓ Per-connector status monitoring
- ✓ Transaction authorization with black/white lists
- ✓ Remote reset and restart
- ✓ Power and current throttling (Smart Charging)
- ✓ Transaction logging
- ✓ Local Controller mode
- ✓ Works with any OCPP 1.6 compliant charger
- ✓ No annual fees
- ✓ Free technical support and upgrades



OCPP Charge Point Discovery in Niagara Workbench

SUPPORTED DEVICES

ABB	Wallbox	ChargePoint	Kempower
Schneider Electric	Alfen	Easee	
Webasto	EVBox	Zaptec	

SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
- ✓ JACE or Supervisor with TCP/IP network access
- ✓ OCPP 1.6 Smart Charging compliant EV charge points
- ✓ OCPP driver license

CONNECTIVITY

TCP/IP

Niagara acts as an OCPP Central System. EV charge points connect to Niagara via SSL-encrypted WebSocket over TCP/IP. No outbound connections from Niagara are required.

ORDERING INFORMATION

Part Number	Description
OCP-J-06	OCPP for JACE, 6 connectors
OCP-J-20	OCPP for JACE, 20 connectors
OCP-J-UNL	OCPP for JACE, unlimited connectors
OCP-SUP	OCPP for Supervisor, first 10 connectors
OCP-SUP-10	OCPP for Supervisor, extra 10 connectors