

CFS Network Upgrade – Phase 1 Complete

From: M Bret Blackford (bret_blackford@yahoo.com)
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Date: Sunday, April 19, 2026 at 04:55 PM CDT

Eric,

I wanted to give you a quick update on where things stand with the CFS network work.

As of today, I would consider **Phase 1 complete**.

We have successfully migrated the CFS network off the old backbone and onto a modern UniFi platform. The phones and computers are now running through the new UniFi router and switch, and the legacy equipment (Charter/Spectrum router, MikroTik RouterBoard, Cisco firewall, and TP-Link access point) has been powered down and removed from the production environment.

The new system has now been running live for several days. I've been monitoring things closely and checking in with staff, and so far everything appears stable and performing well. Overall, this is a big step forward in terms of reliability, visibility, and flexibility.

There are still a few minor cleanup items remaining before we fully close out Phase 1:

- Install rack-mount kit for the new switch
- Clean up and re-terminate a few longer ethernet runs
- Remove remaining legacy equipment from the upstairs IT closet

None of these are urgent, but I wanted you to have a complete picture.

I've attached the Phase 1 expense details, along with the supporting documentation:

- [Invoice 1 – \\$763.53](#)
- [Invoice 2 – \\$270.64](#)

I expect a small amount of additional cost to wrap things up:

- Misc. accessories (cables, connectors, etc.) – approx. \$150
- Electrical help (Devin Daniel assisting) – approx. \$100

Now that the network is fully under our control we're in a good position to think about next steps. Potential Phase 2 items could include:

1. Evaluating phone system options
2. Adding security cameras
3. Reviewing cloud-based directory options (Azure AD)
4. Assessing PCs and laptops for refresh/replacement

When you can find time I'd like to schedule about 45 minutes with you and Mary to walk through what's been done and talk through priorities for next steps.

We are making good progress!

— Bret

Christian Family Services (CFS)

Network Architecture Plan

state 0

state FINAL

migrated April 16, 2026

Charter Modem
EN2251
B522231F562

Charter Modem
EN2251
B522231F562

Charter Router
A92218330ADC
192.168.44.1
[192.168.1.1 admin/admin](#)

UniFi Dream Router 7
\$279

replaced with UniFi router

Netgear FS728TP switch
24 x 10/100 Mbps RJ-45 PoE, 2 x 1Gb Copper, 2 x 1Gb Combo SFP
192.168.44.13
[192.168.0.239 admin/password](#)

replaced with UniFi switch

UniFi switch
\$379
USW-Pro-Max-16-PoE

PANDUIT
patch panel

PANDUIT
patch panel

APC Back-UPS CS 350

APC Back-UPS CS 350

MikroTik RouterBoard
RB3011UiAS-RM
192.168.44.19
[192.168.88.1 admin/<blank>](#)

removed

CISCO ASA 5506-x
firewall
[192.168.1.1](#)

removed

TP-Link
wifi access point
<http://tplinkap.net> or <http://tplinkwifi.net>
[admin/admin](#)

replaced with UniFi WiFi

Dell
PowerEdge R720
5FH48Y1
> CFSDC2 (Domain Controller)
192.168.44.60
> CFSFS (File Server)
192.168.44.61
> CFSPRN (Print Server)
192.168.44.62
> VJUMP (Jump Box/Admin VM)
192.168.44.30

New Server
(or Azure Cloud-based)
> CFSDC2 (Domain Controller)
192.168.44.60
> CFSFS (File Server)
192.168.44.61
> CFSPRN (Print Server)
192.168.44.62
> VJUMP (Jump Box/Admin VM)
192.168.44.30

This is the current state of the CFS IT network architecture as of March 14, 2026.

Spectrum modem → UniFi DR7 → new UniFi switch → AP / server / clients



Ubiquiti Inc.
store@ui.com

Invoice No.: US5149045
Invoice Date: 2026/04/15
Payment status: Authorized

Billing Address	Shipping Address
M Bret Blackford 9805 Bradford Ct St. Louis, MO, 63119, US +1 314 402 7086	M Bret Blackford 9805 Bradford Ct St. Louis, MO, 63119, US +1 314 402 7086

NO.	PRODUCT DESCRIPTION	HS CODE	QTY	PRICE	TAX TOTAL	TOTAL
1	Switch Flex 2.5G USW-Flex-2.5G-8	851762	1	\$159.00	\$0.00	\$159.00
2	UniFi Etherlighting Patch Cable (0.3 m) UACC-Cable-Patch-EL-0.3M-W	854442	6	\$4.99	\$0.00	\$29.94
3	10G Direct Attach Cable (1 m) UACC-DAC-SFP10-1M	854411	1	\$15.00	\$0.00	\$15.00
4	Switch Flex Mini 2.5G (US Version) USW-Flex-2.5G-5	851762	1	\$49.00	\$0.00	\$49.00
				Total Amount		\$252.94
				Shipping Amount		\$17.70
				Total		\$270.64



Ubiquiti Inc.
store@ui.com

Invoice No.: US5017189
Invoice Date: 2026/03/31
Payment status: Paid

Billing Address

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9805 Bradford CT
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Shipping Address

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Saint Louis, MO, 63119, US
+1 314 402 7086

NO.	PRODUCT DESCRIPTION	HS CODE	QTY	PRICE	TAX TOTAL	TOTAL
1	Dream Router 7 (US Version) UDR7-US	851762	1	\$279.00	\$15.98	\$279.00
2	Switch Pro Max 16 PoE (US Version) USW-Pro-Max-16-PoE	851762	1	\$399.00	\$22.85	\$399.00
3	10G Direct Attach Cable (3 m) UACC-DAC-SFP10-3M	854411	1	\$20.00	\$1.15	\$20.00
4	UniFi Etherlighting Patch Cable (0.3 m) UACC-Cable-Patch-EL-0.3M-W	854442	6	\$4.99	\$1.71	\$29.94
5	UniFi Etherlighting Patch Cable (0.15 m) UACC-Cable-Patch-EL-0.15M-W	854442	3	\$4.00	\$0.69	\$12.00
6	UniFi Etherlighting Patch Cable (1 m) UACC-Cable-Patch-EL-1M-W	854442	1	\$5.99	\$0.34	\$5.99
Total Amount Before Tax						\$745.93
Shipping Amount Before Tax						\$17.60
Mo State Tax (4.225%)						\$32.26
Mo City Tax (1.5%)						\$11.46
Total Tax						\$43.72
Refund						-\$43.72
Total						\$763.53