

ACDI ACADEMY

EST.1994

PaperCut Advanced Technical Training Agenda

PaperCut MF

Collaborative / Hands-On / In-Depth / Expert-Led

ACDI

PLAN YOUR TRIP

TRAINING LOCATION

ACDI HEADQUARTERS

403 N Main St, Benton, AR 72015

(800) 990.2234

acd-inc.com

AIRPORT

Bill and Hillary Clinton
National Airport (LIT)

+1 (501) 372.3439

www.clintonairport.com

AIRLINES

Allegiant
American Airlines
Delta
Southwest
United

HOTELS NEARBY

You are responsible for the payment of your hotel room and transportation to and from the training location. You are welcome to make arrangements at any hotel you prefer, but we suggest *The Fairfield Inn & Suites*.

Fairfield Inn & Suites

17320 Interstate 30 North
Benton, AR 72019

+1 (501) 722.6330

VISIT



TRANSPORTATION

Please be aware that public transportation / ride-sharing services / taxi services are not available or are limited in this area. Securing a rental car is the most efficient way to ensure a seamless experience.

Alamo

(800) 992.9823

Enterprise

(501) 537.2880

AVIS

(501) 376.9151

National

(888) 445.5664

Yellow Cab

(501) 570.9999

(\$45 minimum to Benton)

TUESDAY

PaperCut Advanced Technical Training Itinerary

Session 1 *Orientation*

- 8:00 | Welcome**
Introduction / What to Expect
- 8:30 | Introduction to ACDI**
Who we are and what ACDI offers
- 9:00 | PaperCut Ecosystem**
Where everyone fits
- 9:15 | PaperCut Reseller Portal**
 - Downloads and Documentation
 - Install Archive / Perculator
- 10:00 | 15 Minute Break**

Session 2 *PaperCut Enterprise Infrastructures*

- 10:15 | Enterprise Level Printing**
Instructor: Kris Robertson
- Microsoft**
 - Microsoft Print Server Optimize
 - Load Balancing
 - Clustering
 - Virtualization
 - Citrix
 - Server Commands
- 12:00 | Group Lunch Onsite**
- 1:00 | CUPS**
Instructor: Rafael Adjunta
 - What is CUPS
 - What systems use it (Mac/Linux)
 - Use cases where CUPS server may be beneficial (Predominantly Mac or Linux environment)
 - How to install PaperCut onto macOS
 - How to access CUPS to setup a Find-Me Print queue
 - Using the printer monitoring command
 - PCMF Secondary Server Installation on macOS with Windows as PC Application Server (Open Discussion)
 - PCMF Site Server Installation on macOS with Windows as PC Application Server (Open Discussion)

Linux

Instructor: Rafael Adjunta

- PCMF Application Server Installation on Linux (Ubuntu or CentOS)
- How to install PaperCut onto Linux (install using Terminal)
- Syncing users from OpenLDAP and Active Directory
- Configuring CUPS to track prints from Linux (Ubuntu or CentOS) with Windows as PC Application Server (Open Discussion)
- PCMF Site Server Installation on Linux (Ubuntu or CentOS) with Windows as PC Application Server (Open Discussion)

4:00

Hive / Introduction

Instructor: Kris Robertson

On Boarding

- Email
- Auto Deploy (GPO)
- Auto Link (Intune)

Print Release

- Mobile
- Desktop

Parts & Pieces

- Edge Mesh
- Printers
- Profiles
- Deploying Printers

App Data Folder

4:45

Recap / Q&A

WEDNESDAY

PaperCut Advanced Technical Training Itinerary

Session 3 *PaperCut Advanced*

8:30 Site Servers

Instructor: Kris Robertson

- Use case scenarios
- Installing
- Off Line Policies
- Resiliency
- Site Server roles - Online & Offline

Instructor Installation

- Naming Convention
- Permissions

Class Group Installation

- Install site servers
- Set-up offline policies
- Test offline capabilities
- Authentication via ID or Card
 - Printing
 - Copying

10:30 15 Minute Break

10:45 Advanced Directory Services

Instructor: Kris Robertson

- Discuss different directory types
- Focus on AD
- Syncing to multiple domains
- Trust needed
- Using AD groups to manage PaperCut

12:00 Group Lunch Onsite

Session 4 *Backups & Database Migrations*

1:00 Database Options

Instructor: Kris Robertson

Apache Derby

Limitations

Internal vs. External Database

Use case scenarios

Backup and Restore

Moving the backup to network storage (off-server)

Database Migrations

Moving to SQL Express demonstration

Student Migration

- Backup and restore database
- Complete database migration to SQL Express

Session 5 *Mobility Print*

3:00 Mobility Print / MS / macOS / Android / Chrome

Instructor: Kris Robertson

- Overview
- Installation
- Advanced DNS Configuration
- Off-Network Printing

Session 6 *ACDI Integration Services*

4:00 Introduction to Integrations

Instructor: Matt Smith

- When to integrate and why
- Use case scenarios
- Most common setups
- Open discussion

4:45 Recap | Q&A

6:00 Group Dinner

THURSDAY

PaperCut Advanced Technical Training Itinerary

Session 7 PaperCut Multiverse

8:30 Overview & Use Case

Instructor: Kris Robertson

Adding a Customer

- Account
- System Health

Remote Management

- App server
- Devices

9:30 PaperCut Mobile Print Options

Instructor: Kris Robertson

- Mobility Print
- Off Network Printing
- iOS
- Web Print
- Email to Print

10:30 15 Minute Break

10:45 Embedded Advanced

Instructor: Kris Robertson

Advanced Configuration

- Discuss advanced config keys
- When to make a machine change vs global change
- Fine Grain access and who supports it
- Integration Matrix - Who's Who

Customizing Interface

Customizing the End User experience

- Colors
- Logos
- Messages

Completed Activities on Multiple Devices On-Hand

12:00 Group Lunch Onsite

Session 8 Integrated Scanning

1:00 Scanning with PaperCut

Instructor: Kris Robertson

- Permissions
- Service Accounts
- Destinations Available
- Access
- OCR / Cloud vs. On-Prem

Demonstrate Email & Folder Templates

- To oneself
- To pre-defined email
- Allow changes
- Disallow changes

1:30 Advanced Scripting

Instructor: Matt Smith

- Scripting overview
- JavaScript
- Print Script demo
- Print Script API
- Use case problem 1 & print script modification
- Have the class make a similar modification
- Use case problem 2 (more difficult)
- Use case problem 3 (most difficult)
- Additional Q&A

Session 9 Advanced Troubleshooting Techniques

2:30 Advanced Troubleshooting

Instructor: Jeremy Pranger

- How to enable debugging in the Print Provider, Mobility, Application, MFD's
- How to read debug logs
- Integrated Scanning to folder/email (permissions)
- How to troubleshoot driver related issues
- Site Server issues - Embed communication to and from the app/site server
- Troubleshooting Print Deploy
- Troubleshooting Mobility Print
- Troubleshooting resource issues (i.e., in logs adding RAM via config file)

5:00 Class Dismissed

FRIDAY

PaperCut Advanced Technical Training Itinerary

Session 10 *Hardware*

8:30 | Hardware / Card Readers / Coin Ops

Instructor: Seth Ingram

Types of Card Readers

- Proximity
- Mag Stripe
- Bar Code
- Network

Programming Card Readers

- Regular Expressions
- Scripts

EX 2000 BCC

- Overview
- Configuration
- Demonstration

RSX 1000

- Overview
- Configuration
- Demonstration

Session 12 *PaperCut HA*

11:30 | PaperCut: High Availability

Instructor: Kris Robertson

- Application Server Failover
- Active / Passive Mode
- System Requirements
- PaperCut NG/MF version 20 or higher
- A network load balancer
- 2+ servers (virtual or physical)
- A highly available external database
- A persistent network drive
- Print Server's running Secondary or Site Server
- Configuration Overview and Best Practices
- Print Server Discussion
- Print Objects
- DNS on Wire

Session 11 *Print Deploy*

10:00 | Print Deploy Overview

Instructor: Kris Robertson

- Server Requirements
- Client Requirements
- Driver Requirements
- Determining Print Environment
- Print Server Environment
- Workstations joined/not joined to the local domain
- Serverless printing Environment (Direct Print)
- Cloner Tool
- Reference Computer(s)
- Print Deploy Client rollout
- Deploying Printers

11:00 | Working Lunch

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Thank you for attending ACDI Academy. We appreciate you taking the time to invest in your knowledge and professional growth with us. We're proud to support our partners with training, resources, and solutions designed to help you succeed. Be sure to explore everything ACDI has to offer and stay connected with upcoming classes and learning opportunities on the ACDI Academy training website.

STAY UPDATED WITH ACDI!

