



ADVANCED TECHNICAL TRAINING

PaperCut^{MF}

Features
Interactive
Demonstration
Experience
Hands On
+ Expert

PaperCut MF Success



AIRPORT

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TRANSPORTATION

Yellow Cab (501) 570-9999
(\$45 minimum to Benton)
www.yellowcablr.com

UBER

www.uber.com



HOTELS NEARBY

For your convenience, the **Fairfield Inn & Suites** in Benton has set aside a block of rooms that you can reserve at a discounted rate. Please contact the hotel directly to make your reservation.

You are responsible for the payment of your hotel room and transportation to and from the training location.

We encourage you to secure your reservation at least 15 days prior to the start of the training to receive the discounted rate. Any reservation made within the 15 days prior to the training will be subject to standard availability and rate. You are also welcome to make arrangements at any hotel you prefer.

Fairfield Inn & Suites (2.0mi)
17320 Interstate 30 North
Benton, 72019
+1 (501) 722-6330

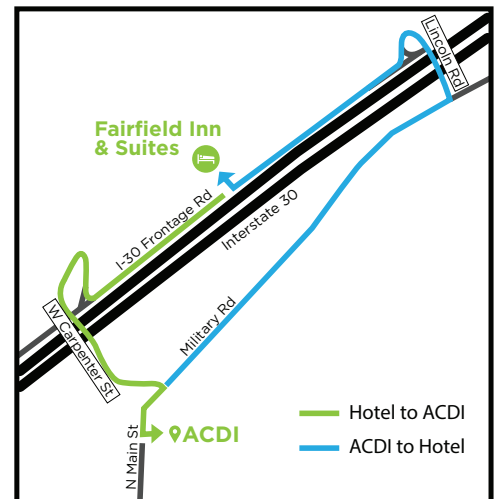
Use code E5Y when reserving your room to receive the discounted rate.

<https://www.marriott.com/hotels/travel/litbn-fairfield-inn-and-suites-little-rock-benton/>



TRAINING LOCATION

ACDI Headquarters
403 N Main St
Benton, AR 72015
(800) 990-2234
acd-inc.com



ABOUT BENTON

Total Population: 32,725

The city of Benton, first settled in 1833 and named after Missouri Senator Thomas Hart Benton.

DID YOU KNOW?

Billy Bob Thornton, writer, director, and star of the 1996 American drama film "Sling Blade" used Benton as the location for many scenes.

NEARBY ATTRACTIONS

- Saline County Public Library
- Benton Square Shopping Center
- Bernard W Holland Park
- Penny Arcade
- Gann Museum

TUESDAY

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 | Percolator
- 10:00 15min Break**

- Linux**
Instructor: Nasir Gasab
 - 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
 - PCMF Secondary Server Installation on Linux (Ubuntu or CentOS) with Windows as PC Application Server
 - PCMF Site Server Installation on Linux (Ubuntu or CentOS) with Windows as PC Application Server

Session 2 | PaperCut Enterprise Infrastructures

- 10:15 Enterprise Level Printing**
Instructors: Jeremy Pranger, Glen Moore, Robert Maida & Kris Robertson/Chris Stewart
 - Microsoft**
 - Microsoft Print Server optimize
 - Load Balancing
 - Clustering
 - Virtualization
 - Citrix
 - Server Commands

- AS400**
Instructor: Seth Ingram
 - Explain how PaperCut works with Enterprise Environments
 - Explain how to make sure the print stream is going through PaperCut
 - Demonstrate how to configure PaperCut to extract Username from PJI header or other portion of print stream

- 12:00 Group Lunch Onsite**

4:45 Recap | Q & A

- 1:00 CUPS**
Instructor: Nasir Gasab
 - 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
 - PCMF Site Server Installation on macOS with Windows as PC Application Server

5:00 Group Dinner

WEDNESDAY

Session 3 | PaperCut Advanced

- 8:30 Site Servers**
Instructor: Kris Robertson/Chris Stewart
- Use case scenarios
 - Installing
 - Off Line Policies
 - Resiliency
 - Load Balancing
- Instructor Installation**
- Naming Convention
 - Permissions
- Class group installation**
- Students will break off into groups of 4
 - Install Site Servers
 - Set-up offline policies
 - Test offline capabilities
 - Authentication via ID or Card
 - Printing
 - Copying
- 10:30 15min Break**
- 10:45 Advanced Directory Services**
Instructors: Glen Moore & Kris Robertson/Chris Stewart
- 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/Chris Stewart
- 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 with Advanced DNS

- 3:00 Mobility Print | MS | macOS | iOS | Android | Chrome**
Instructors: Glen Moore & Kris Robertson/Chris Stewart
- Overview
 - Installation
 - Advanced DNS Configuration
 - Practical Workshop

Session 6 | ACDI Integration Services

- 4:00 Introduction to Integrations**
Instructors: Jacob Poirrier & Matt Smith
- When to integrate and why
 - Use case scenarios
 - Most common setups
 - Open discussion
- 4:45 Recap | Q & A**

THURSDAY

Session 7 | System Health Monitoring

Instructors: Robert Maida & Glen Moore

- 8:30 Overview
- Configuration
- Demonstration and setup (follow-along)

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

9:30 PaperCut Mobile Print Options

Instructor: Kris Robertson/Chris Stewart

- Mobility Print
- GCP
- iOS
- Web Print
- Email to Print

10:30 15min Break

10:45 Embedded Advanced

Instructor: Jeremy Pranger

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

Complete activities on multiple devices on-hand

12:00 Group Lunch Onsite

Session 8 | Integrated Scanning

1:00 Scanning with PaperCut

Instructor: Kris Robertson/Chris Stewart

- Permissions
- Service Accounts
- Destinations Available
- Access

Demonstrate email & folder templates

- To oneself

Session 9 | Advanced Troubleshooting Techniques

1:30 Advanced Scripting

Instructors: Jacob Poirrier & Matt Smith

- Scripting overview
- JavaScript
- Print Script demo
- Print script API
- Use case problem 1 and 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

2:30 Advanced Troubleshooting

Instructor: Ryan Treadwell

- How to enable debugging in the Print Provider, Mobility, application, MFPs
- How to read debug logs
- Troubleshooting a Web Print Sandbox
- 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 resource issues (i.e., in logs adding RAM via config file)
- Enterprise setup: Physical vs. Virtual and troubleshooting

5:00 Class Dismissed

FRIDAY

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 11 | Print Deploy

10:00 Instructor: Kris Robertson/Chris Stewart

Print Deploy Overview

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

11:30 Group Lunch Onsite

Session 12 | Job Ticketing

12:30 Instructor: Kris Robertson/Chris Stewart

Licensing | Trials | NFR

Download and Install

Setting up a Print Room

Creating and Publishing Products