



# Barr Host Communications Suite

HIGH-SPEED FILE TRANSFER AND SPOOLING FOR HOST SYSTEMS  
SUCH AS MAINFRAMES, UNIX, AS/400S AND WINDOWS SYSTEMS

*You can't beat the  
cost and performance*

## Barr Host Communications Suite (BHCS)

BHCS is a Windows-based Print Spooler with input and output modules designed to receive data from multiple sources and then distribute the data to multiple destinations. Using BHCS can help automate and control print across the organization.

BHCS can be customized to connect to IBM Mainframes, AS/400's, TCP/IP HOSTs and network applications. Various modules can be added to BHCS to split data, transform it from one printer language to another, and even send the data to high-speed production printers. It will help move print jobs (print, internal reports, invoices, etc.) from any HOST to any printer in the organization, including Xerox EPS printers, and even send to applications such as Document Management Systems, online portals, etc.

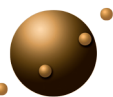
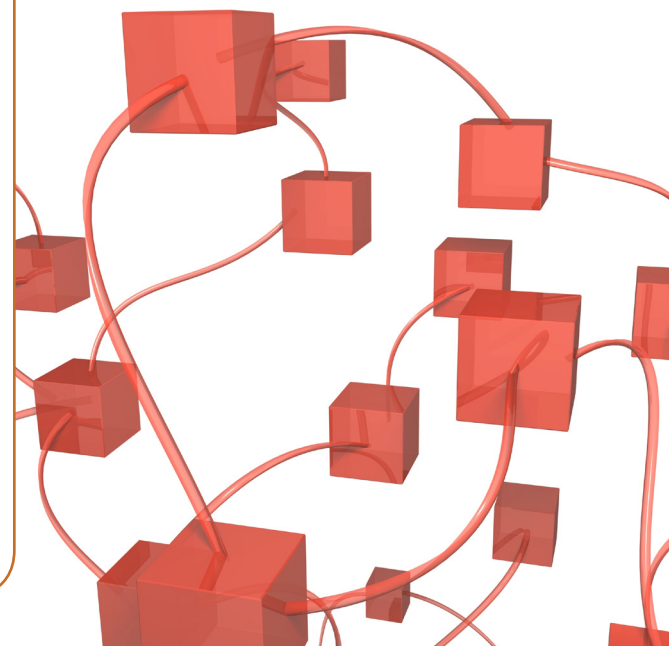
### KEY FEATURES

- **Includes** print queue management features such as restart, file view, etc
- **Runs** unattended with auto-logout and auto-restart
- **Manages and stores** host resources (FCB, UCS) and forms overlays (EBCDIC or ASCII files)
- **Provides** built-in communications scope and status line for monitoring and diagnostics
- **Install** on virtual machines or Cloud Servers, runs 32 or 64 bit
- **Supports** multiple, simultaneous connections
- **Print** PCL, Postscript Xerox, as well as other PDLs
- **Transform** file formats to take advantage of your printers
- **Pass** information about a file to a script to allow for FTP, email, etc.
- **Workflow Customization** print workflow can be controlled by use of the BHCS Override Table

### SYSTEM REQUIREMENTS

- **Hardware Requirements:**
  - 3.0 GHz single core processor or a multi-core processor
  - 2 gigabytes (GB) of RAM
  - 100 GB hard drive
- **Software Requirements:**
  - Operating System: Windows 7, Windows 10, Windows Server 2008, or Windows Server 2012 (32-bit or 64-bit)

*Barr Host  
Communications Suite  
can be installed on  
virtual machines or  
Cloud Servers.*



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# BHCS NOTIFICATIONS OVERVIEW

**BHCS Notifications is a new module available for the Barr Host Communications Suite that sends email alerts and notifications using standard Simple Mail Transfer Protocol**

## Features

- **ALERTS:** Alerts can be sent for errors as they occur. These can be filtered by module, including RJE, Spool or LPD.
- **Custom Notifications:** Email notifications can be sent for other events for instance when a certain job is received or printed. You can also trigger a notification by a specific message ID from the Operator Console.
- **Groups:** Multiple group email addresses can be specified, with the ability to dedicate each group to a different set of notifications.
- **Message Templates:** Messages subject and content can be customized using templates.
- **Excessive Alert Prevention:** When multiple alerts occur in rapid succession, this feature combines them to avoid sending excessive emails.
- **SQL Database:** BHCS Notifications routes all BHCS Operator Console log messages to a SQL database. This provides new ways to view, search and store BHCS history.

## Basic Architecture

- **BHCS Notifications Configuration:** The user interface for configuring all the settings. The settings will be stored in the Windows registry along with other BHCS settings.
- **BHCS Notifications Service:** The actual program that does the work, running as a service.
- **SQL Database:** BHCS Notifications requires a single table (called BhcsMessage), that can be located on the SQL Server and database of the customer's choosing. A purge feature is provided to deleted records older than a selected number of days.

Notification Group Settings

General

Group Name: Operators

Email Address(s): Joe.Smith@Acme.com; Mary.Jones@Acme.com

Alerts

- Printing
- Spooler
- RJE
- NJE
- LPD
- Print Utility

Custom Notifications

- Job PAYROLL received
- Job TRANS received
- Job PAYROLL printed

OK Cancel

Screen for configuring a group of email addresses and which notifications should be sent to that group.

BHCS Notifications Test

Groups and Notifications Settings

Sender Settings

SMTP Host Address: email.barrsystems.com

From Address: Barr Communications <communications@>

Sender User Name:

Sender Password:

Port Number: 25 (Default: 25. Other common port numbers: 465, 587.)

Use SSL Secure Connection

Test Email Address: Test

Email Templates

Email Template Folder: C:\BHCS\Notifications\ Select Folder Open Folder

Template: Alert Edit Subject Edit Body

Description: Email template for all Alert messages.

Excessive Alert Prevention

Send all individual alerts

Combine all alerts

Send combined alerts every 3 minutes

SQL Database

SQL Server Name: localhost\sqlexpress Test SQL Connection

Database Name: BhcsMessages

Use Windows Authentication

Use SQL Server Authentication Username: bhcsmess Password: .....

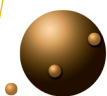
Purge messages older than 7 days

OK Cancel

General settings screen for BHCS Notifications.



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