

HPSS System Administration Course 101

Course Details:

Duration:	4.5 Days
Dates:	August 24 – 28, 2015
Times:	Monday - Thursday: 8:30 AM - 5:00 PM CDT Friday: 8:30 AM - 12:00 PM CDT
Delivery Method:	Instructor-led Classroom and Virtual Classroom
Language:	English
Fee:	\$3,500.00 US
Class Location:	Classroom IBM Corporation, Suite 300 12301 Kurland Drive Houston, Texas 77034 Optional: Virtual Classroom (web-based, sorry, but no hands-on exercises available with this option.)
Registration Deadline:	August 3, 2015
Payment/Cancellation Deadline:	August 10, 2015

Intended Audience:

This course is targeted for IT professionals who are responsible for the configuration and administration of an HPSS solution (e.g., current or future HPSS system administrators) but also for people who are interested in learning more about HPSS.

Educational Objectives:

After completion of the course, students will be able to:

- Understand the purpose of major HPSS software components.
- Plan, upgrade, and configure a basic HPSS system.
- Manage an HPSS system.
- Identify and resolve common operational problems.
- Utilize HPSS utilities and the HPSS command-line interface.

Delivery Type / Course Format:

The HPSS System Administration course will be delivered via a traditional instructor-led format with hands-on exercises. We are providing the option to participate via virtual classroom (web-based) delivery but without benefit of hands-on exercises and face-to-face collaboration with other students and instructors.

For the instructor-led virtual classroom option, registered students will have access via the web and will be sent a URL for the training session. The instructor will lead the class through the course material, which will be displayed for all students using IBM Connections (see below). Students attending virtually will have the ability to participate to a large extent as if on-site (e.g., ask/answer questions electronically or verbally) but without benefits of exercises as well as collaboration and networking with other people.

Course Description:

The HPSS System Administration course offers an overview of the components that make up the HPSS software and the dependencies of these components on their environment in order to perform data storage services. The class will focus on HPSS 7.4 administration, but will include one session on some of the expected differences that HPSS 7.5 will bring.

The class consists of the following:

Classroom Lectures

Discussion sessions with the HPSS team members: They share their field experiences on HPSS/DB2 systems engineering, management, and troubleshooting.

Hands-On Exercises

Instructors will lead classroom students through the upgrade process to update a basic HPSS system. The system will be used to demonstrate HPSS functionality throughout the class. There will be hands-on exercises for students to practice some HPSS tasks discussed in the lectures. Each student attending in-person for classroom instruction should bring a laptop to participate in the hands-on exercises. Virtual classroom students will be unable to participate in hands-on exercises.

Outline

HPSS Overview	<i>Students will become familiar with HPSS architecture, storage management concepts, and infrastructure components and be able to identify HPSS components, and user interfaces</i>
HPSS Planning	<i>Students will learn that there are many variables to take into consideration when constructing an HPSS system. Students will also learn that</i>

	<i>important decisions must be made during the planning process and the impact that each will have on the final system. In addition, students will become familiar with the overall process used to design / plan an HPSS system before it is installed.</i>
HPSS Upgrade	<i>The student will practice upgrading an HPSS system from 7.4.2.1 to 7.4.3.2b. The DB2 Qrep process for upgrading an HPSS system will be discussed, though not used.</i>
HPSS Monitoring / Management	<i>Students determine the operational status of HPSS and learn how to modify, start, stop, manage, monitor, and control an HPSS system.</i>
Metadata Management	<i>Students learn the importance of log mirroring and metadata backups, how to configure and maintain metadata backups, how to restore metadata from backups, and how to manage (monitor, tune, expand, and maintain) the metadata databases.</i>
HPSS Tools	<i>Students understand what HPSS tools are available, and how to use the more common HPSS tools.</i>
HPSS Troubleshooting	<i>Students learn to debug and isolate problems; learn about HPSS log files and how they are used to resolve problems; learn how to take the problem information and determine the solution; and learn what tools are out there and how to use them to resolve problems.</i>
HPSSFS-FUSE	<i>Students will be able to understand and use HPSSFS-FUSE.</i>
New Features	<i>Students will become familiar with new features in upcoming releases of HPSS, including 7.4.3.2 and 7.5.</i>

Important Prerequisites:

Students should have previous AIX/Linux system administration experience or training.

The virtual classroom (web-based) training will utilize IBM Connections, which supports various browsers, depending on your operating system. View <https://www.ibm.com/cloud-computing/social/us/en/systemrequirements/> for complete details.

Participation in hands-on exercises is included with course fees but is an optional activity. To participate in hands-on exercises, students attending the course in Houston must bring a laptop computer with them to access Houston HPSS lab machines and training resources. Sorry, we are unable to provide students with laptops or other computer resources to participate in exercises.

Registration, Payment and Cancellation Instructions:

1. Please email the information in the registration form below to Joshua Hebert and Annette Hamala on or before the registration deadline of August 3, 2015. Please see contact information below.
2. Payment methods are: (1) company issued purchase order, (2) company issued check, (3) credit card (American Express, Visa, or MasterCard), or (4) wire transfer. Please indicate the payment method on the registration form below. Based on the payment method, additional payment instructions will be provided to the student. Payment must be received prior to the payment deadline of August 10, 2015.
3. Cancellation Policy: Cancellations received after August 10, 2015 are subject to a cancellation fee of 25% of the course fee. If there is a need to cancel, please notify Joshua Hebert and Annette Hamala.
4. No-Show Policy: Participates that are registered for the course and fail to attend are subject to a no-show fee of 100% of the course fee.

Registration Information:

Please e-mail us the following information to register:

REGISTRATION FORM	
NAME	
COMPANY / SITE	
PHONE NUMBER	
EMAIL ADDRESS	
MAILING ADDRESS	
PAYMENT METHOD	
COURSE FORMAT CHOSEN (<i>Option 1: Virtual Classroom OR Option 2: In Person at IBM Houston</i>)	

Fees for the course do not include the following:

- Meals, other than lunch

- Lodging
- Travel Expenses
- Transportation

Students attending this course in person should make travel arrangements ahead of time. Joshua Hebert and Annette Hamala are good contacts for travel-related questions, directions, and other logistical information.

Directions:

The HPSS class will be held in the IBM facility located at 12301 Kurland Drive, Suite 300, Houston, TX 77034. Driving information can be found on the HPSS website (<http://hpss-collaboration.org/directions.shtml>). Please plan to register your vehicle and sign-in at the security desk in the building lobby.

The IBM facility is on the third floor of the building and is access controlled, so you may have to wait for someone to let you inside. You will need to sign in and out each day, and obtain an IBM visitor badge upon sign-in. Please return your badge when you leave at the end of the day and plan to use it the following day. The classroom will be close to the third floor lobby and easy to see once you are inside the facility.

Please note, when in the IBM facility, your assigned IBM badge must be visible and worn at all times.

Terms:

All HPSS training is offered pursuant to terms and conditions equivalent to those set forth in IBM's GSA IT Schedule #70. Use of HPSS software requires an executed HPSS License Agreement.

Contact Information:

For further information on the HPSS System Administration class, please contact Joshua Hebert at jmhebert@us.ibm.com, 713-797-4573 or Annette Hamala at ahamala@us.ibm.com, 720-395-1886.