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Computer Visions Course Outline

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Corporations look to us to train their employees. Why? Because our proven training methods have increased employee proficiency and productivity. We assign one person to each of our corporate clients to ensure quality service, and we also offer extranet Web registration, management, reporting and billing for all clients. Simplicity, quality and outstanding service are our hallmarks.

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6236: Implementing and Maintaining Microsoft SQL Server 2008 Reporting Services

Description:

This three-day instructor-led course teaches students how to implement a Reporting Services solution in an organization. The course discusses how to use the Reporting Services development tools to create reports, and how to use the Reporting Services management and administrative tools to manage a Reporting Services solution.

Course Outline:

Module 1: Introduction to Microsoft SQL Server Reporting Services

The students will be introduced to the role that Reporting Services plays in an organization's reporting life cycle, the key features offered by Reporting Services, and the components that make up the Reporting Services architecture.

Lessons

- Lesson 1: Overview of SQL Server Reporting Services
- Lesson 2: Installing Reporting Services
- Lesson 3: Reporting Services Tools

Module 2: Authoring Basic Reports

The students will learn the fundamentals of report authoring, including configuring data sources and data sets, creating tabular reports, summarizing data, and applying basic formatting.

Lessons

- Lesson 1: Creating a Basic Table Report
- Lesson 2: Formatting Report Pages
- Lesson 3: Calculating Values

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Module 3: Enhancing Basic Reports

The students will learn about navigational controls and some additional types of data regions, and how to use them to enhance a basic report.

Lessons

- Lesson 1: Interactive Navigation
- Lesson 2: Displaying Data

Module 4: Manipulating Data Sets

The students will explore data sets to a greater depth, including the use of alternative data sources and interacting with a data set through the use of parameters. Students will learn how to dynamically modify the data set underlying a data region by allowing parameters to be sent to the underlying query, as well as will learn to use best practices to implement static and dynamic parameter lists when interacting with queries and stored procedures.

Lessons

- Lesson 1: Defining Report Data
- Lesson 2: Using Parameters and Filters
- Lesson 3: Using Parameter Lists

Module 5: Using Report Models

The students will learn how to create a report model so that business users can create their own reports without using the full Report Designer development environment. Students will also learn how to use Report Builder to create a report from a report model.

Lessons

- Lesson 1: Creating Report Models
- Lesson 2: Using Report Builder

Module 6: Publishing and Executing Reports

The students will learn the various options you can use to publish reports to the report server and execute them.

Lessons

- Lesson 1: Publishing Reports
- Lesson 2: Executing Reports
- Lesson 3: Creating Cached Instances
- Lesson 4: Creating Snapshots and Report History

Module 7: Using Subscriptions to Distribute Reports

The students will learn how to implement subscriptions so that you can distribute reports either automatically by e-mail or by publishing reports to a shared folder.

Lessons

- Lesson 1: Introduction to Report Subscriptions
- Lesson 2: Creating Report Subscriptions
- Lesson 3: Managing Report Subscriptions

Module 8: Administering Reporting Services

The students will learn how to administer the Reporting Services server, how to monitor and optimize the performance of the report server, how to maintain the Reporting Services databases, and how to keep the system secure.

Lessons

- Lesson 1: Reporting Server Administration
- Lesson 2: Performance and Reliability Monitoring
- Lesson 3: Administering Report Server Databases
- Lesson 4: Security Administration
- Lesson: 5 Upgrading to Reporting Services 2008

Module 9: Programming Reporting Services

The students will learn how to query Reporting Services information programmatically and how to automate report management tasks. Students will also learn how to render reports without relying on Report Manager, and how to extend the feature set of a report server by creating custom code.

Lessons

- Lesson 1: Querying for Server Information Using a Web Service
- Lesson 2: Automating Report Management
- Lesson 3: Rendering Reports
- Lesson 4: Creating Custom Code