

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

Revathi Apartments, Ameerpet, 1st Floor, Opposite Annapurna Block, Infosoft It solutions,
Software Training & Development Institute, +91-9059683947|+91-9182540872

Apache Zeppelin Course Content

Introduction to Apache Zeppelin

1. Overview of Apache Zeppelin
2. History and evolution
3. Features and capabilities
4. Use cases and applications

Setting Up Apache Zeppelin

1. Installation and configuration
2. Exploring the Zeppelin interface
3. Understanding interpreters
4. Configuring interpreters for different data sources

Zeppelin Notebooks

1. Creating and managing notebooks
2. Markdown and code cells
3. Keyboard shortcuts
4. Sharing and collaboration features

Data Visualization

1. Introduction to data visualization in Zeppelin
2. Using built-in visualization features
3. Integrating external visualization libraries
4. Customizing visualizations

Data Ingestion and Integration

1. Connecting to various data sources (SQL databases, NoSQL databases, file systems, etc.)
2. Loading and manipulating data
3. Data preprocessing and transformation
4. Real-time data integration

Data Analysis and Exploration

1. Performing data analysis using Zeppelin
2. Exploring data with SQL, Python, Scala, and other interpreters
3. Statistical analysis and modeling
4. Machine learning with Zeppelin

Advanced Features

1. Customizing and extending Zeppelin
2. Interpreting and using Zeppelin REST APIs
3. Security and authentication
4. Performance optimization

Use Case Examples and Projects

1. Building end-to-end data pipelines
2. Analyzing real-world datasets
3. Developing custom applications with Zeppelin
4. Best practices and case studies

Troubleshooting and Maintenance

1. Common issues and their solutions
2. Monitoring and optimizing Zeppelin performance
3. Backup and recovery strategies
4. Upgrading Zeppelin installations

Conclusion and Next Steps

1. Recap of key concepts and skills learned
2. Resources for further learning and exploration
3. Community and support options
4. Certifications and career paths in Apache Zeppelin