

Graphisoft BIMcloud with Archicad: Collaborative BIM Project Management

1. TARGET AUDIENCE:

This course is designed for professionals involved in collaborative BIM project delivery using Graphisoft solutions, including:

- Architects and Architectural Designers
- BIM Modelers
- BIM Coordinators
- BIM Managers
- Project Architects
- Design Consultants
- Construction and Engineering Professionals
- CAD/BIM Technicians
- Architecture and Civil Engineering Students
- Professionals transitioning from single-user to collaborative BIM workflows

2. COURSE OBJECTIVE:

This 40-hour course provides participants with the knowledge and practical skills required to effectively use **Graphisoft BIMcloud** with **Archicad** for real-time collaborative BIM project delivery. Participants will learn to install and configure BIMcloud, create and manage Teamwork projects, administer users and permissions, synchronize project data, manage BIM libraries, perform backup and recovery operations, and implement industry best practices for secure and efficient multi-user collaboration. Through hands-on exercises and project-based learning, learners will gain confidence in managing collaborative BIM environments from project setup through ongoing administration.

3. COURSE OUTCOMES:

Upon successful completion of this course, participants will be able to:

- Understand the concepts of collaborative BIM and the Graphisoft BIMcloud ecosystem.
- Install, configure, and manage Graphisoft BIMcloud for Teamwork projects.
- Create, publish, and manage Teamwork projects in Archicad.
- Configure users, roles, groups, and permission settings for secure collaboration.
- Collaborate efficiently using Archicad Teamwork features, including Send & Receive, element reservation, and conflict resolution.
- Organize and manage BIMcloud project folders, libraries, and project resources.

- Monitor BIMcloud performance and perform routine server administration tasks.
 - Configure backup, recovery, and maintenance procedures to ensure data integrity.
 - Apply BIM collaboration standards, naming conventions, and workflow best practices in multi-user environments.
 - Successfully execute and manage collaborative BIM projects using Graphisoft BIMcloud and Archicad.
-

4. COURSE OUTLINE:

The course comprises **40 hours** of theory, demonstrations, and hands-on practical exercises and is divided into **9 comprehensive modules**. Each module is designed with real-world examples, guided exercises, and collaborative project-based activities to help learners develop practical skills in Graphisoft BIMcloud administration, Teamwork collaboration, project management, and multi-user BIM workflows using Archicad.

Module 1: Introduction to Collaborative BIM

- Introduction to BIM Collaboration
- Traditional vs Collaborative Workflow
- What is Graphisoft BIMcloud?
- BIMcloud vs BIMcloud Basic vs BIMcloud SaaS
- BIMcloud Ecosystem
- Benefits of Teamwork
- BIMcloud Workflow Overview

Module 2: BIMcloud Architecture

- BIMcloud Components
- BIMcloud Manager
- BIMcloud Server
- Delta Cache Technology
- Data Flow

- Communication between Archicad and BIMcloud
- Project Storage
- Network Requirements

Module 3: BIMcloud Interface

- BIMcloud Web Interface
- Navigation
- Dashboard
- Project Browser
- User Management Window
- Server Management
- Notifications
- Preferences

Module 4: Users, Roles and Permissions

- Creating Users
- User Groups
- Roles
- Access Levels
- Permissions
- Folder Permissions
- Security Policies
- Authentication
- Password Policies
- Best Practices

Module 5: Project Management in BIMcloud

- Creating Project Folders
- Uploading Projects
- Organizing Team Projects
- Project Metadata
- Naming Standards
- Folder Structure
- Archiving Projects
- Deleting Projects
- Project Maintenance

Module 6: Archicad Teamwork Basics

- Introduction to Teamwork
- Preparing an Archicad File
- Sharing Project to BIMcloud
- Joining a Teamwork Project
- Teamwork Interface
- Send & Receive
- Reserving Elements
- Releasing Elements
- Working Offline
- Synchronizing Changes
- Team Messaging
- Project Information

Module 7: Collaboration Workflow

- Multi-user Collaboration
- Work Reservation Strategies
- Team Communication
- Conflict Detection
- Conflict Resolution
- Ownership Management
- Handling Simultaneous Editing
- Version Control Concepts
- Project Coordination
- Collaboration Best Practices
-

Module 8: BIMcloud Libraries

- Library Management
- BIMcloud Libraries
- Embedded Libraries
- Linked Libraries
- Updating Libraries
- Library Migration
- Library Version Management
- Object Sharing

Module 9: Server Administration

- Server Health Monitoring
- Performance Monitoring
- Logs
- User Activity

- Server Settings
- Storage Management
- Cache Management
- Routine Maintenance