



COMPONENTS

The purpose of the document is to provide an overview on the components of the product CyberClaz.

CLAZ CLIENT



Claz Recorder this feature enables the teacher to record each class session, digital attendance taking, notes (pdf, ppts, images etc.) sharing, doubt clearance etc. The Claz Recorder facilitates multi-channel recording. The Claz Recorder is provided with three cameras feeds. One is for teacher, another stream for presentation/blackboard. Teacher has ability to switch between the presentation feed and blackboard. Each classroom will be provided with one wireless Lavalier / Tie clip microphone for the teacher, one audio feed from the presentation shared and multiple microphones for the students which are muxed together to a single audio channel.

For replaying the recorded digital media content, we need an application; Claz Player is such an application that will help the users to playback the recorded/live session. Claz Player can be downloaded from Google Play store, App store, windows market place etc. Users will be able to search in the console for retrieval of recorded audio, video, saved attachments, list of attendance, questions raised etc. of the particular class. Claz Player will be provided with two-channel audio and two channel video feeds with individual volume control and master video control.

CLAZ PORTAL



Claz Portal is an e-learning portal and makes the world of learning, completely online. Catering to the learning demands of an individual right from early school years to higher and professional education, Claz Portal offers wholesome, and comprehensive courses to the various age groups and learning segments.

Claz Portal craft a common gateway to the data and services that the people throughout the university need to effectively share information and work together on projects. Claz Portal give students easy ways to connect with their professors and their peers to get them more engaged in their classes. Facilitate anytime, anywhere learning. Provide students with single sign-on access to learning materials and campus resources, from library content to complete online courses, at any time, from virtually anywhere, and from any type of connected device. Claz Portal creates a virtual campus that never closes.

CLAZ SERVER



Claz Server, which is the IBM MobileFirst server, is the back end of CyberClaz that controls all the activities of student and teacher. It provides safe and secure data management capability. Any third party tracking of data can be avoided since the data is completely secure in adapters that act as a mediator between CyberClaz application and enterprise system.

- Application Server (Claz Manager / Claz Handler /Claz Log-in)
- Claz Secure (Optional)

Application Server

- Claz Log-in
- Claz Handler
- Claz Manager

Class Secure

- Claz Crypto
- Claz Sign

CLAZ STORE



This component consists of storage area which can be of IBM DB2/ Oracle / SQL Server Database as per client requirement. It stores and retrieves Cyber Claz textual information as requested by the application server. Also it stores the URL of FTP folder location where the media files and other attachments are stored. It also aims at managing multi-workloads from large number of concurrent users.

CLAZ CLOUD



Claz Cloud offers all the benefits of cloud-enabled computing, storage and content delivery. Soft Layer's Cloud Layer has been preferred which is a specially developed technology to provide security, performance and reliability. They offer fully integrated environments, so the dedicated servers, virtual servers and Cloud Layer systems become unified computer environments. Dedicated server can be customized based on the specifications needed. Everything from the server itself to the RAM, uplink port speeds, public bandwidth and number of IP addresses can be selected individually.

CLAZ ANALYTICS



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- IBM Analytic Server
- Video Analytics
- Intelligence Report
- Predictive Analytics
- Text Analytics



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