WHAT IS MONGO DB?

❖ No SQL Database
❖ Document oriented
❖ Open-source, cross-platform, document-oriented database written in C++
❖ Salient features:
   • Develop Faster
   • Deploy Easier
   • Scale Bigger
❖ MongoDb development started in 2007
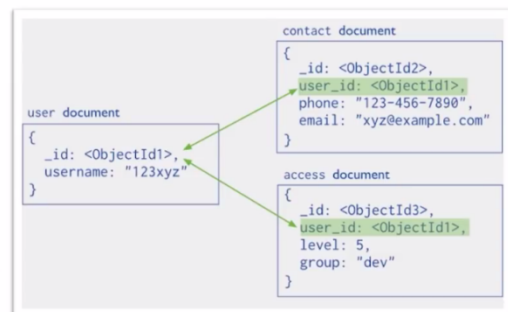❖ MongoDb 2.4.9 was the latest and stable version - released on January 10, 2014.

mongoDB

WHAT IS A DOCUMENT ORIENTED DATABASE?

❖ MongoDB stores data as documents, so it is known as document oriented database.
❖ Data is stored as BSON
❖ If you come from Relational DBMS background:
   • Database = Database
   • Tables = Collections
   • Rows = Documents

RDBMS(Relational DBMS) like My SQL

Mongo DB

```
contact document
{
    _id: <ObjectId2>,
    user_id: <ObjectId1>,
    phone: "123-456-7890",
    email: "xyz@example.com"
}

user document
{
    _id: <ObjectId1>,
    username: "123xyz"
}

access document
{
    _id: <ObjectId3>,
    user_id: <ObjectId1>,
    level: 5,
    group: "dev"
}
```

INSTALLING MONGO DB

❖ We will soon start to install Mongo db on a windows pc.

❖ I will also guide Linux and Mac users on the same.

❖ **mongod** is the host process for the database.

❖ **mongo** is the command-line shell that connects to a specific instance of mongod.

❖ When you run mongo with no parameters it defaults to connecting to the localhost on port 27017.

❖ If you run mongo against an invalid host_machine:port combination then it will fail to connect.