Installation and Deployment Guide

# Prerequisites

Two software components must be installed to run iConsent:

* Node.js application container;
* MongoDB database

## Node.js installation

If Node.js is already installed on target machine, this step can be skipped. Node.js is an open source and prepackaged binary distribution can be obtained here <https://nodejs.org/download/>. Windows and Machintosh installers are available out of the box as well as binary packages for Linux. Windows and Mac installation is pretty straightforward. As for Linux, installation from package manager is available as an option as well. In this case detailed distributive specific instruction can be obtained from Github <https://github.com/joyent/node/wiki/Installing-Node.js-via-package-manager>.

## MongDB installation

If MongoDB is already installed on target machine, this step can be skipped. MongoDB is also an open source and prepackaged binary distribution can be obtained here <http://www.mongodb.org/downloads>. Platform specific installation instruction can be found at <http://docs.mongodb.org/manual/installation/> .

# iConsent Deployment

iConsent deployment requires two steps:

* iConsent database deployment
* iConsent application deployment.

## iConsent Database Deployment

1. Download database dump archive from <https://www.dropbox.com/s/xqabfw0tbxsdyau/iConsentdata.zip?dl=0>.
2. Create empty directory and extract archive into that directory.

## iConsent Application Deployment

1. Download application archive from <https://www.dropbox.com/s/q5g6kl2bbmd89nt/iConsent.zip?dl=0>.
2. Create empty directory and extract archive into that directory.

# Start and Stop Application

To start iConsent, following steps must be done:

1. Start MongoDB
2. Start application server

iConsent shutdown is also two phase process:

1. Stop application server
2. Stop MongoDB

## Start MongoDB

MongoDB start depends on the platform it was deployed. The major detail is to make sure database directory name is passed to mongod server. Using command line:

mongod --dbpath $DATABASE\_HOME/db

Where $DATABASE\_HOME is directory where iConsent database was extracted to.

## Start Application Server

Application server start is pretty straightforward. First of all, locate “bin” subdirectory in folder where application server part was extracted. Then locate “www” file and run using command:

./www or node ./www.

## Stop MongoDB and Application Server

Both application can be stopped just by “^C”.