**Brief about CV Downloader**

1. **What is CV Downloader**

CV downloader is UI less win apps. The objective of this application is to download doc/docx file from our ftp folder called CV and save those file to specific folder in any network pc. It also fetches job applicant data along with CV file from remote db and update local database with those data.

1. **How it works**

When we run CV downloader apps then it first query remote db that any new data exist or not. In our remote db there is one table called “CandidateApplication” where job applicant related data stored. When any job applicant apply for job & upload their CV from our web site then those data saved in our CandidateApplication table and in few other tables. CandidateApplication table has one field called **isdownloaded.** By default 0 is saved in that field. When any CV and its data is downloaded successfully by CV downloader then this field‘s value change from 0 to 1. So when CV downloader run then it fetches only those data whose field called **isdownloaded** having 0 as value that means CV & data which has not been downloaded in our local pc. For example suppose 50 records are there in CandidateApplication table but 10 records has only 0 as value for **isdownloaded** field. So CV downloader will only fetch those 10 records and iterate in those records sequentially. Extract CV file name from each record for each iteration and download that CV file by its name from a specific folder of our ftp folder called **CV**. CV downloader use MS ftp API to download file from our web server with credential. FTP & all database related credentials hard coded in code for security reason. When it downloads all file completely then it call a store proc of our local DB and send all data. The local store proc update local CandidateApplication table with those data and also update **isdownloaded** field value from 0 to 1 of remote db as a result next time CV downloader will not try to download same file again. CV downloader use MS-word interop API to read & extract textual data from doc file and update local CandidateApplication table with CV text. When CV downloader run and in the mean time if any error is occur then a mail send to those person whose mail id has been stored in config file. When CV downloader finishes all jobs then it sends CV download status mail to those people whose mail id has been stored in config file. User informs about those file name and email id who’s CV has been downloaded successfully & save in local machine.CV downloader start & stop time logged in text file date wise.

1. **Run time environment and Dependency required for running CV downloader**
2. .Net runtime 4.0 must be installed in pc to run CV downloader.
3. SQL server 2005 database engine must be installed in any network pc and client should be installed in pc where CV downloader will run.
4. Accessibility to BBARecruitment database from the pc is mandatory where CV downloader will run.
5. ORCS WEB related link server should create and test for accessibility.
6. CV archive related folder should be created in any network pc and specify that path in CV Downloader config file.
7. Email ID need to set in config file for any error or CV download status related mail.
8. Config file should not be deleted and it is stored in folder where CV downloader exe stored.