

EIECacheUtils Release Notes v1.0

Contents

- [About This Guide](#)
- [Document Revision History](#)
- [Responsibilities](#)
- [Features](#)
- [Usage Doc](#)
- [Cassandra Installation Notes](#)
- [Environment Settings](#)
- [Cassandra Startup Notes](#)
- [Deployment Instruction](#)

About This Guide

This Guide provides information related to EieCacheUtils v1.0 release.

Document Revision History

Version	Dates	Comments
1.0	5/08/2014	Initial version

Responsibilities

External Interface Engine (EIE) is a component responsible for number lookup and query resolution for remote countries. For Optimization and cost reduction the cache across different sites need to make synchronized so implemented this cache distributed in nature.

Features

- No SQL data store based distributed cache which EIE's across multiple sites can use.
- Robust
- Scalable
- Highly Reliable
- Supports a purging strategy to clean up records older than some threshold.

Usage Doc

- J2 - Case Study Neustar Advance Services (Distributed cache using NoSQL DB)
- EIECacheUtils_Requirement_Specification_1.1

Installation Notes

- Download JDK 1.7.0_17 version from <http://www.oracle.com> and install on machine.
- Download Apache Cassandra (apache-cassandra-2.0.8-bin.tar) from <http://cassandra.apache.org>.
- Extract the tar file at any location.
- conf/Cassandra.yaml file – change the following properties
seeds: "<ip1>","<ip2>"
listen_address:
rpc_address:
endpoint_snitch: PropertyFileSnitch

conf/cassandra-topology.properties
Add the IP address of all the datacenters
- Both the Cassandra.yaml and Cassandra-topology.properties files should be same in all the nodes

Environment Settings

- Set the JAVA_HOME variable. Provide the JAVA_HOME variable value as bin folder location.
- Set the CASSANDRA_HOME variable. Provide the CASSANDRA_HOME variable value as bin folder location.

Cassandra Startup Notes

- Go to apache Cassandra bin folder and clicks on Cassandra batch file or Can be started from command window using "Cassandra -f" command.

Deployment Instructions

- Add the EIECacheUtils-0.1.jar to Application Class path.
- Add the ipconfig.properties file in Application Class path.
- Configure the "NODES" property in properties file. In NODES value only provide that IP's which are configured in Local DC only.

- The user needs to change the property LOCAL_DC_NAME, the value should be name of local data center.
- Start the Cassandra server. Cassandra Server must be started before the application starts.
- Follow above given steps for all the EIE System Application.