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|  | Production (64bit) **Coordsafe-server-001** | Station (64bit) **Coordsafe-server-002** | AWS |
| HW | Intel i5-3470 3.2GHZ/6MB  16G DDR3  HD 500G/16MB SATA3 | |  |
| OS | Linux CentOS 5.8 64bit | Windows Server2008 HPC Edition 64bit |  |
| Network | 137.132.179.24 | 137.132.145.228 |  |
| Access | root/ Co1rd$@fe521 | Administrator/Csroot@2012 |  |
| Control Version | subversion |  |  |
| DB | Postgresql 9.2 64bit  MongoDB 2.4.6 64bit | |  |
| Platform | FleetLink | FleetLink / SafeLink | FleetLink |
| Web Server | Tomcat 7.0.30  (/opt/apache-tomcat-7.0.30) | Tomcat 7.0.30  (c:/ apache-tomcat-7.0.30) |  |
| Message Queue | Apache ActiveMQ 5.8  **locationUpdateQueue panicAlarmQueue notificationTopic** | |  |
| Listener | HttpListener  TcpListener | HttpListener  TcpListener |  |
| Mail Service | Coordsafe mail service | |  |
| SMS Service | Hoiio SMS service | |  |
| JAVA | JAVA 1.6 | | |
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| **Platform** | | |
| GeoReady | Providing Restful API for client or mobile to get data from coordsafe platform. |  |
| Fleet-link | Providing vehicle location management |  |
| Safe-link | Providing person location management |  |
| Common | Providing basic fundamental functions for fleet-link and safe-link |  |
| Notification | Providing SMS or Email notifications for fleet-link and safe-link |  |
| Tcp-Gateway | Providing interface with GPS devices | Tcp-gateway for shanghai device, bbt01(for fleet-link);  Tcp-gateway2 for Shenzhen Device2, bbt02(for fleet-link);  Shanghai device2, bbt03 (for future usage);  Tcp-gateway3 for Shenzhen Device3, bbt04(for safe-link); |
| Http-Gateway | Providing interface with mobile devices |  |
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Locator

Mobiles

**Http gateway**

gatew

**Listener**

Safe-Link

1. Guardian
2. Ward
3. Notification Setting
4. GeoFence
5. Map

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C

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M

M

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N

Location MQ

TCP Server

Notification

DB (For TCP SVR)

1. Raw Data
2. Device

DB (For Safe-Link)

Notification MQ

EMAIL

SMS

|  |  |
| --- | --- |
| **Installation & Configuration** | |
| 1. JAVA | [www.oracle.com](http://www.oracle.com) |
| 1. Tomcat | [www.apache.org](http://www.apache.org) |
| 1. Postgresql + postGis 2.0.4 | [www.postgresql.org](http://www.postgresql.org) + <http://postgis.net/> + RUING SQL AS FOLLOWING:  -- Table: gpsrawdata    -- DROP TABLE gpsrawdata;    CREATE TABLE gpsrawdata  (  id bigint NOT NULL DEFAULT nextval('gpsrawdata\_seq'::regclass),  deviceid character varying(256),  rawdata character varying(2560),  gpsdate character varying,  generatetime timestamp without time zone,  CONSTRAINT pk\_gpsrawdata PRIMARY KEY (id)  )  WITH (  OIDS=FALSE  );  ALTER TABLE gpsrawdata  OWNER TO postgres;      // 添加sequence    CREATE SEQUENCE gpsrawdata\_seq  START WITH 1  INCREMENT BY 1  NO MINVALUE  NO MAXVALUE  CACHE 1;    alter table gpsrawdata alter column id set default nextval('gpsrawdata\_seq');        //device-ip-port-channel  CREATE TABLE gpsrawdatadevice  (  id bigint NOT NULL DEFAULT nextval('gpsrawdata\_seq'::regclass),  deviceid character varying(256),  iport character varying(256),  channelid character varying,  CONSTRAINT pk\_gpsrawdatadevice PRIMARY KEY (id)  )  WITH (  OIDS=FALSE  );  ALTER TABLE gpsrawdatadevice  OWNER TO postgres; |
| 1. platform | * Fleet-link: copy the war file to tomcat’s deploy foler; |
| * Safe-link: copy the war file to tomcat’s deploy foler; |
| * Configure the velocity mail template path in the commonservices.xml file; * Configure the mail parameter and sms parameters in the commonservices.xml file; * Configure the DB parameters in the appConfig.properties file; * Configure the message in the ValidationMessage.properties file; | |
| 1. TCP-Gateway | Copy the jar file to folder, and configure the port number; |
| **Running** | |
| 1. Upon start up, do following check:   - autorun services: postgres, apache  # service postgresql-9.2 status  # service httpd status  If any of the status is not running, manually start the services by issuing: services servicename start   1. Manually start following services:   - apache activemq:  # cd /home/comusr/apache-activemq-5.6.0/  # bin/activemq start  - tcpserver (Shanghai old device)  # cd /opt/coordsafe  # nohup java -jar "TCPServer 1.5.3.jar" &  # tail -f nohup.out <- to confirm server is started normally  - tcpserver - (Shenzhen old device)  #cd /opt/mongodb-linux-x86\_64-2.4.5  #./bin/mongd  # cd /opt/tcp\_gateway2-0.0.1-SNAPSHOT  #java –jar tcp\_gateway2-0.0.1-SNAPSHOT-Queue.jar  #tail –f   1. Start tomcat   - apps included: fleet-link, geoready, httpgateway  # cd /opt/apache-tomcat-7.0.30/bin  # ./startup.sh  # cd ../logs  # tail -f catalina.out <- to ensure server startup without problems | |