**Pirlo Incident / Accident Applications (IAR) Deployment Manual**

**Global Wildfly Settings:**

**Global Variables in Wildfly:**

<property name="SESSION\_KEY" value="s.e.s.s.i.o.n-k.e.y"/>

<property name="PIRLO\_URL" value="https://www.thepirlo.com"/>

<property name="SERVER\_PATH" value="${jboss.home.dir}"/>

**Single Sign On Settings in Wildfly:**

<server name="default-server">

<http-listener name="default" socket-binding="http"/>

<host name="default-host" alias="localhost">

<location name="/" handler="welcome-content"/>

<filter-ref name="server-header"/>

<filter-ref name="x-powered-by-header"/>

<single-sign-on path="/"/>

</host>

</server>

**Wildfly Datasource**

<datasource jta="true" jndi-name="java:/jboss/pircs\_ds" pool-name="pircs\_ds" enabled="true" use-ccm="true">

<connection-url>jdbc:mysql://localhost:3306/pircs?useUnicode=true&amp;characterEncoding=utf-8</connection-url>

<driver>mysql</driver>

<security>

<user-name>root</user-name>

</security>

<validation>

<validate-on-match>false</validate-on-match>

<background-validation>false</background-validation>

</validation>

<timeout>

<set-tx-query-timeout>false</set-tx-query-timeout>

<blocking-timeout-millis>0</blocking-timeout-millis>

<idle-timeout-minutes>5</idle-timeout-minutes>

<query-timeout>0</query-timeout>

<use-try-lock>0</use-try-lock>

<allocation-retry>0</allocation-retry>

<allocation-retry-wait-millis>0</allocation-retry-wait-millis>

</timeout>

<statement>

<share-prepared-statements>false</share-prepared-statements>

</statement>

</datasource>

**Wildfly Security Domain**

<security-domain name="pircs-realm" cache-type="default">

<authentication>

<login-module code="Database" flag="required">

<module-option name="dsJndiName" value="java:jboss/pircs\_ds"/>

<module-option name="unauthenticatedIdentity" value="anonymous"/>

<module-option name="hashAlgorithm" value="SHA-256"/>

<module-option name="hashEncoding" value="hex"/>

<module-option name="rolesQuery" value="SELECT col\_role,'Roles' FROM tbl\_operator WHERE col\_username=?"/>

<module-option name="principalsQuery" value="SELECT col\_password FROM tbl\_operator WHERE col\_username=?"/>

</login-module>

</authentication>

<authorization>

<policy-module code="Database" flag="required">

<module-option name="dsJndiName" value="java:jboss/pircs\_ds"/>

<module-option name="rolesQuery" value="SELECT col\_role,'Roles' FROM tbl\_operator WHERE col\_username=?"/>

<module-option name="hashAlgorithm" value="SHA-256"/>

<module-option name="hashEncoding" value="hex"/>

<module-option name="principalsQuery" value="SELECT col\_password FROM tbl\_operator WHERE col\_username=?"/>

</policy-module>

</authorization>

</security-domain>

**After Deployment and Database Creation**

/\* Pirlo User with password: 123456 \*/

INSERT INTO `pircs`.`tbl\_operator` (`col\_id`,`col\_insertion\_date`, `col\_password`, `col\_recieving\_emergency\_emails`, `col\_role`,

`col\_title`, `col\_operator\_type`, `col\_username`, `HOSPITAL\_col\_id`)

VALUES (1,'2017-11-01', '8d969eef6ecad3c29a3a629280e686cf0c3f5d5a86aff3ca12020c923adc6c92', false, 'ROOT', 'Pirlo', null, 'pirlo', null);

/\* QA User with password: 123456 \*/

INSERT INTO `pircs`.`tbl\_operator` (`col\_id`,`col\_insertion\_date`, `col\_password`, `col\_recieving\_emergency\_emails`, `col\_role`,

`col\_title`, `col\_operator\_type`, `col\_username`, `HOSPITAL\_col\_id`)

VALUES (2,'2017-11-01', '8d969eef6ecad3c29a3a629280e686cf0c3f5d5a86aff3ca12020c923adc6c92', true, 'ADMIN', 'Quality Manager', 'QUALITY\_MANAGER', 'qa', null);

/\* Regular User with password: 123456 \*/

INSERT INTO `pircs`.`tbl\_operator` (`col\_id`,`col\_insertion\_date`, `col\_password`, `col\_recieving\_emergency\_emails`, `col\_role`,

`col\_title`, `col\_operator\_type`, `col\_username`, `HOSPITAL\_col\_id`)

VALUES (3,'2017-11-01', '8d969eef6ecad3c29a3a629280e686cf0c3f5d5a86aff3ca12020c923adc6c92', false, 'USER', '', 'REGULAR\_USER', 'user', null);