

8 - SHRINE's Configuration File

SHRINE operates by getting settings from a master configuration file, named **shrine.conf**. You will need to place this file within **/opt/shrine/tomcat/lib**. Here is a sample node shrine.conf file for a system running SHRINE 1.22.8 (in this guide, we will refer to this file often and will go more in detail on configuring this file in the later chapters):

```
shrine {
  pmEndpoint {
    url = "http://localhost:9090/i2b2/services/PMService/getServices"
  }
  ontEndpoint {
    url = "http://localhost:9090/i2b2/services/OntologyService"
  }

  hiveCredentials {
    domain = "i2b2demo"
    username = "demo"
    password = "demouser"
    crcProjectId = "Demo"
    ontProjectId = "SHRINE"
  }

  breakdownResultOutputTypes {
    PATIENT_AGE_COUNT_XML {
      description = "Age patient breakdown"
    }
    PATIENT_RACE_COUNT_XML {
      description = "Race patient breakdown"
    }
    PATIENT_VITALSTATUS_COUNT_XML {
      description = "Vital Status patient breakdown"
    }
    PATIENT_GENDER_COUNT_XML {
      description = "Gender patient breakdown"
    }
  }

  queryEntryPoint {
    create = true
    audit {
      collectQepAudit = false
      database {
        dataSourceFrom = "JNDI"
        jndiDataSourceName = "java:comp/env/jdbc/qepAuditDB"
        slickProfileClassName = "slick.driver.MySQLDriver$"
                                //slick.driver.H2Driver$
                                //slick.driver.PostgresDriver$
                                //slick.driver.SQLServerDriver$
                                //slick.driver.JdbcDriver$
                                //freeslick.OracleProfile$
                                //freeslick.MSSQLServerProfile$
      }
    }

    trustModelIsHub = true
    attachSigningCert = true
    authenticationType = "pm"
    authorizationType = "shrine-steward"

    shrineSteward {
      qepUserName = "qep"
      qepPassword = "password"
      stewardBaseUrl = "https://localhost:6443"
    }

    includeAggregateResults = false

    maxQueryWaitTime {
      minutes = 5
    }
  }
}
```

```

    broadcasterServiceEndpoint {
        url = "https://shrine-hub-url:6443/shrine/rest/broadcaster/broadcast"
    }
} //end queryEntryPoint

adapter {
    create = true
    audit {
        collectAdapterAudit = false
        database {
            dataSourceFrom = "JNDI"
            jndiDataSourceName = "java:comp/env/jdbc/adapterAuditDB"
            slickProfileClassName = "slick.driver.MySQLDriver$"
                                //slick.driver.H2Driver$
                                //slick.driver.PostgresDriver$
                                //slick.driver.SQLServerDriver$
                                //slick.driver.JdbcDriver$
                                //freeslick.OracleProfile$
                                //freeslick.MSSQLServerProfile$
        }
    }
}

crcEndpoint {
    url = "http://localhost:9090/i2b2/services/QueryToolService"
}

adapterLockoutAttemptsThreshold = 0
setSizeObfuscation = true
adapterMappingsFileName = "AdapterMappings.csv"

maxSignatureAge {
    minutes = 5
}

immediatelyRunIncomingQueries = true
} // end adapter

networkStatusQuery = "\\\\"SHRINE\\"SHRINE\\"Demographics\\"Gender\\"Male\\"
humanReadableNodeName = "Shrine Node Name"
shrineDatabaseType = "mysql"

keystore {
    file = "/opt/shrine/shrine.keystore"
    password = "password"
    privateKeyAlias = "privateKeyAlias"
    keyStoreType = "JKS"
    caCertAliases = ["shrine-hub-ca"]
}

problem {
    problemHandler = "net.shrine.problem.LogAndDatabaseProblemHandler$"
}

dashboard {
    happyBaseUrl = "https://localhost:6443/shrine/rest/happy"
    statusBaseUrl = "https://localhost:6443/shrine/rest/internalstatus"

    database {
        dataSourceFrom = "JNDI"
        jndiDataSourceName = "java:comp/env/jdbc/problemDB"
        slickProfileClassName = "slick.driver.MySQLDriver$"
                                //slick.driver.H2Driver$
                                //slick.driver.PostgresDriver$
                                //slick.driver.SQLServerDriver$
                                //slick.driver.JdbcDriver$
                                //freeslick.OracleProfile$
                                //freeslick.MSSQLServerProfile$
    }
} //end dashboard

```

```

status {
    permittedHostOfOrigin = "localhost"
}

squerylDataSource {
    database {
        dataSourceFrom = "JNDI"
        jndiDataSourceName = "java:comp/env/jdbc/shrineDB"
    }
}

authenticate {
    usersource {
        domain = "i2b2demo"
    }
}

steward {
    createTopicsMode = Approved

    emailDataSteward {
        sendAuditEmails = false //false to turn off the whole works of emailing the data steward
        //interval = "1 day" //Audit researchers daily
        //timeAfterMidnight = "6 hours" //Audit researchers at 6 am. If the interval is less than 1 day then this
delay is ignored.
        //maxQueryCountBetweenAudits = 30 //If a researcher runs more than this many queries since the last audit
audit her
        //minTimeBetweenAudits = "30 days" //If a researcher runs at least one query, audit those queries if this
much time has passed

        //You must provide the email address of the shrine node system admin, to handle bounces and invalid
addresses
        //from = "shrine-admin@example.com"
        //You must provide the email address of the data steward
        //to = "shrine-steward@example.com"

        //subject = "Audit SHRINE researchers"
        //The baseUrl for the data steward to be substituted in to email text. Must be supplied if it is used in
the email text.
        //stewardBaseUrl = "https://example.com:8443/steward/"

        //Text to use for the email audit.
        //AUDIT_LINES will be replaced by a researcherLine for each researcher to audit.
        //STEWARD_BASE_URL will be replaced by the value in stewardBaseUrl if available.
        //emailBody = ""Please audit the following users at STEWARD_BASE_URL at your earliest convinience:
AUDIT_LINES""
        //note that this can be a multiline message

        //Text to use per researcher to audit.
        //FULLNAME, USERNAME, COUNT and LAST_AUDIT_DATE will be replaced with appropriate text.
        //researcherLine = "FULLNAME (USERNAME) has run COUNT queries since LAST_AUDIT_DATE."
    }

    database {
        dataSourceFrom = "JNDI"
        jndiDataSourceName = "java:comp/env/jdbc/stewardDB"
        slickProfileClassName = "slick.driver.MySQLDriver$"
                                //slick.driver.H2Driver$
                                //slick.driver.PostgresDriver$
                                //slick.driver.SQLServerDriver$
                                //slick.driver.JdbcDriver$
                                //freeslick.OracleProfile$
                                //freeslick.MSSQLServerProfile$
    }
} // end steward

email {
}

} // end shrine section

```

**NOTE**

If you are using Oracle for your database connections, please remember to change the 'slickProfileClassName' to 'freeslick.OracleProfile\$'!
Also, change shrineDatabaseType = 'oracle'!