

DIPS FHIR R4 Observation

Admin Documentation

DIPS AS

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Revision History

Date	Revision	Author	Description
2021-10-30	1.0.0	Madhavi Liyanapathirana	Release 1.0.0

Approval History

Date	Revision	Approved by	Role
2021-10-30	1.0.0	Lars-Andreas Nystad	Product Owner

1. Introduction

This document mainly describes the configuration and settings of FHIR R4 DocumentReference. The intended audience for this document is programmers, system integrators and other personnel handling the server-side installation.

2. Logging Configuration

The logging framework used is Apache Log4Net (<http://logging.apache.org/log4net/>). It is a configurable logging framework which supports changes in logging configuration runtime, avoiding the need to restart the application or make changes in the application source code.

The application logging configuration is located in a separate file, log4net.config. Even if its values are modified during installation, it may also be modified manually at a later time. Changes to this file does not reload the application's application pool since it is located in a separate file, which the log4net framework monitors for changes during runtime.

Example: log4.net.config

```

<log4net>
  <appender name="MainAppender" type="log4net.Appender.RollingFileAppender">
    <file value=".\\dips-log\\DIPS-FHIR-R4-Core-Main.log" />
    <datePattern value=".yyMMdd.'log'" />
    <maximumFileSize value="10MB" />
    <maxSizeRollBackups value="-1" />
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%utcdate{yyyyMMdd
HH:mm:ss,fff};;%level;57;{%property{sessionId};%property{profilingCallId};%thread;%logger;%message%
property{FULLCONTEXT}}%newline%exception" />
    </layout>
  </appender>

  <appender name="ProfilingAppender" type="log4net.Appender.RollingFileAppender">
    <file value=".\\DIPS-Log\\DIPS-FHIR-R4-Core-Profiling.log" />
    <appendToFile value="true" />
    <rollingStyle value="Date" />
    <datePattern value=".yyMMdd.'log'" />
    <MaximumFileSize value="500MB" />
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%message%newline" />
    </layout>
  </appender>

  <root>
    <level value="error" />
    <appender-ref ref="MainAppender" />
  </root>

  <logger name="DIPS" >
    <level value="INFO"/>
  </logger>

  <logger name="Profiling" additivity="false" >
    <level value="trace"/>
    <appender-ref ref="ProfilingAppender"/>
  </logger>
</log4net>

```

3. FHIR Binary

3.1. Configuration in appsettings.json

This section will describe the parameters found in [install directory]\FHIR-R4\appsettings.json file

Table 1. FHIR Binary appsettings.json parameters

Parameter	Default value	Description
DocumentService:Url		URI for DIPS WCF service. Example: https://[servername]/DIPS/DIPS-WCFService/

4. FHIR Document

4.1. Configuration in appsettings.json

This section will describe the parameters found in [install directory]\FHIR-R4\appsettings.json file

Table 2. FHIR Document appsettings.json parameters

Parameter	Default value	Description
DocumentService:Url		URI for DIPS WCF service. Example: https://[servername]/DIPS/DIPS-WCFService/
ServiceBrokerCareService:Url		URI for ServiceBrokerCare WCF service. Example: https://[servername]/ServiceBrokerCareWcfServer/
DocumentReferenceIsDescending	true	Default sort order
DocumentReferenceSortField	EventTime	Default sort field name. Available fields: EventTime, IsSigned, CreatedBy, LastModifiedBy, ReferralId. See API Documentation for details.
FHIRBinaryServiceUrl		URL for FHIR binary service. Example: https://[servername]/DIPS-WebAPI/HL7/FHIR-R4/Binary
HealthCarePartyService:Url		URL for health care party WCF service. Example: https://[servername]/HealthCarePartyR4WcfServer/
EncounterService:Url		FHIR Encounter Service URL, Example: https://[servername]/FhirEncounterServer/

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