

# Guida all'architettura della piattaforma OpenCross

## INDICE

### Sommario

1. Architettura della modalità di autenticazione .....	2
2. Database e modello dati.....	3
3. Framework utilizzati e versioni.....	8
4. Architettura dei servizi esposti.....	8
5. Schema XSD pratiche SUE SUAP .....	15
6. Esempio di ciclo di vita di una richiesta di funzionalità web .....	22

## PREMESSA

Opencross è un applicativo di gestione delle pratiche dei servizi “a sportello”, in grado di coordinare, attraverso un workflow, le transazioni tra tutti gli Attori coinvolti (Utenti, Intermediari, Comune, Enti Terzi). Opencross costituisce un ambiente web condiviso all'interno del quale, grazie ad una accurata gestione degli accessi e dei privilegi degli utenti, gli interessati possono gestire i propri adempimenti (gestione degli eventi, generazione ed invio delle comunicazioni, upload di documenti, firma, controllo scadenze, tracking della pratica, monitoraggio delle scadenze).

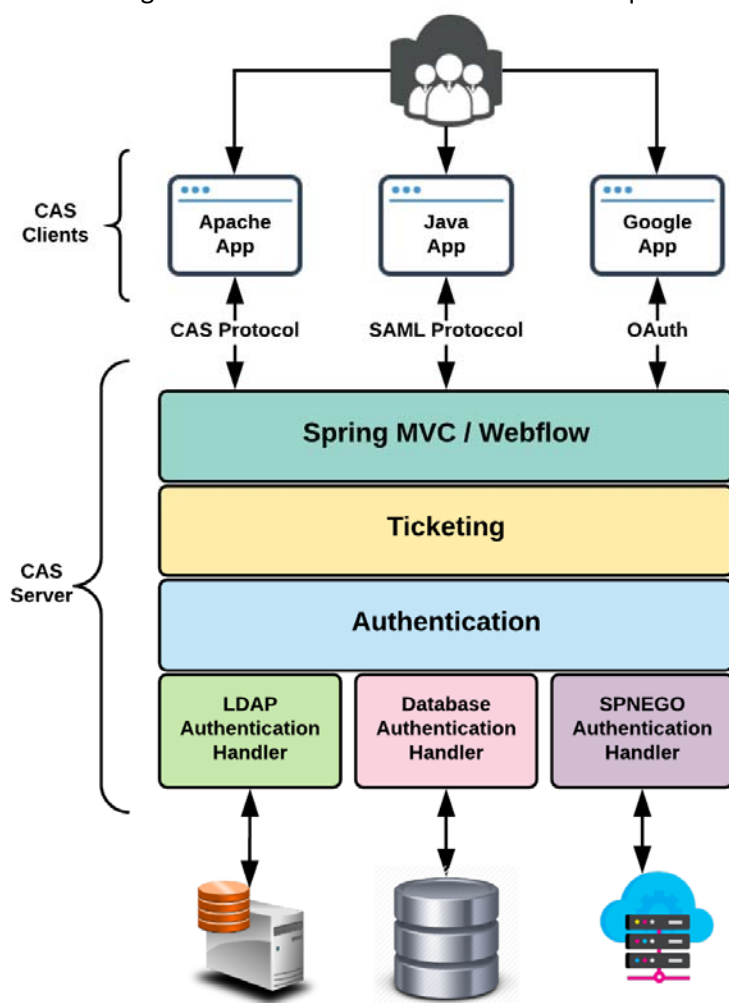
Opencross è nativamente integrato con il Front Office A&C garantendo la gestione completamente automatica delle pratiche, pur essendo un modulo indipendente dal punto di vista applicativo; consente in ogni caso il caricamento manuale delle informazioni.

Opencross interconnette, per ogni pratica SUAP, i backoffice di tutti gli Enti che partecipano alla gestione del Procedimento Unico e dei suoi endoprocedimenti.

## 1. Architettura della modalità di autenticazione

Il servizio di login dell'applicazione CROSS, ed il SSO (Single sign-on), è gestito dalla componente architetturale CAS (Central Authentication Service).

Di seguito nell'immagine viene illustrato il funzionamento di questa architettura:



La componente CAS client è configurata tramite la libreria jar presente nella web applicazione (cas-client-core-3.3.3).

Accedendo all'url <http://suapsuecross.collaudoavmtb/cross/>, il file web.xml dell'applicazione è configurato, in modo da effettuare la redirect sul modulo web CAS, che contiene la componente CAS server.

Di seguito la configurazione del file web.xml, che contiene la valorizzazione degli oggetti filter.

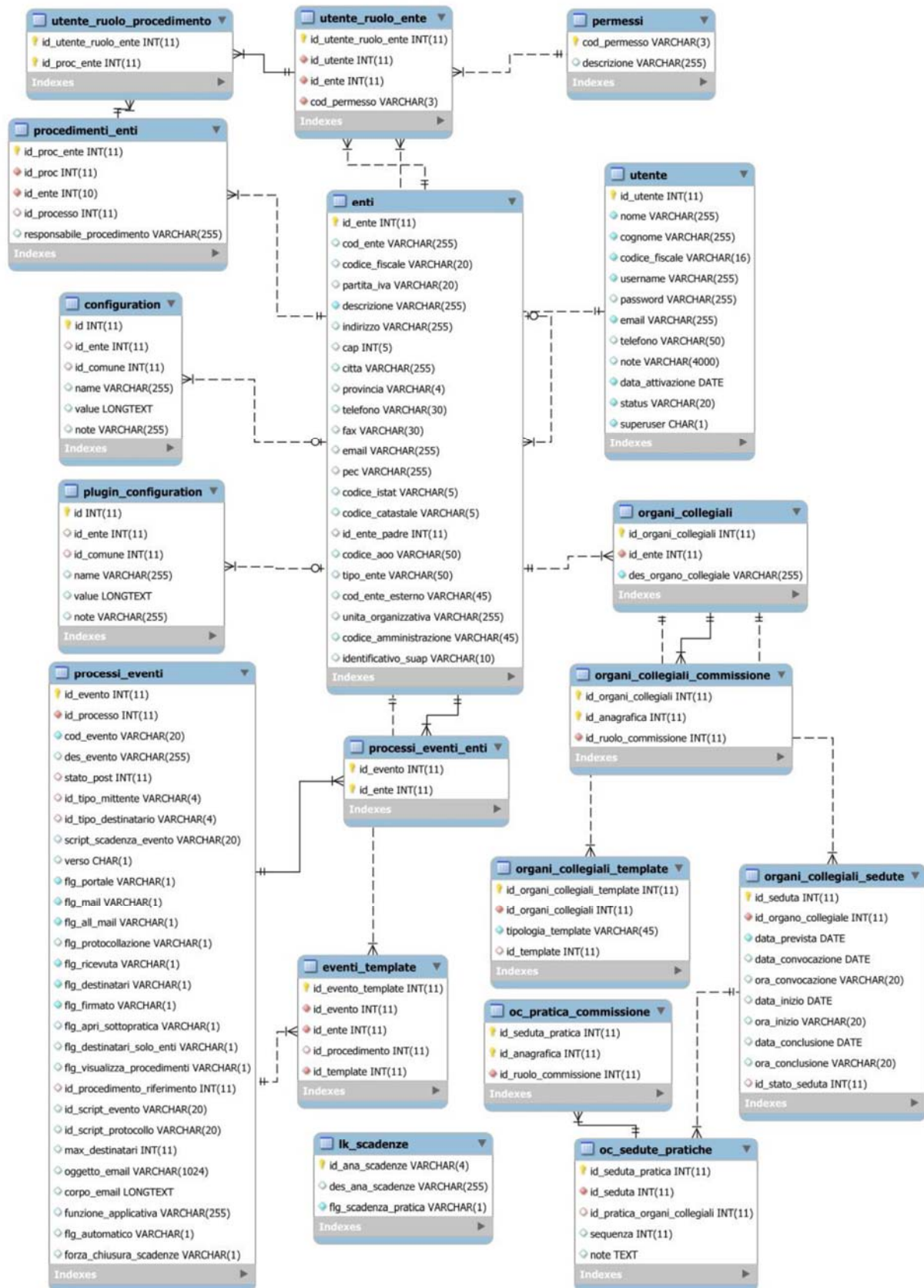
```
<filter>
  <filter-name>CAS Authentication Filter</filter-name>
  <filter-class>it.wego.utils.cas.CustomAuthenticationFilter</filter-class>
  <init-param>
    <param-name>casServerLoginUrlMap</param-name>
    <param-value>suapsuecross.collaudoavmtb http://suapsuecross.collaudoavmtb/cas/login</param-value>
  </init-param>
  <init-param>
    <param-name>serverNameMap</param-name>
    <param-value>suapsuecross.collaudoavmtb http://suapsuecross.collaudoavmtb </param-value>
  </init-param>
  <init-param>
    <param-name>ignorePattern</param-name>
    <param-value>recuperaPassword</param-value>
  </init-param>
  <init-param>
    <param-name>ignoreUrlPatternType</param-name>
    <param-value>CONTAINS</param-value>
  </init-param>
</filter>

<filter>
  <filter-name>CAS Validation Filter</filter-name>
  <filter-class>it.wego.utils.cas.CustomCas20ProxyReceivingTicketValidationFilter</filter-class>
  <init-param>
    <param-name>casServerUrlPrefix</param-name>
    <param-value>http://suapsuecross.collaudoavmtb/cas</param-value>
  </init-param>
  <init-param>
    <param-name>serverNameMap</param-name>
    <param-value>suapsuecross.collaudoavmtb http://suapsuecross.collaudoavmtb</param-value>
  </init-param>
  <init-param>
    <param-name>artifactParameterName</param-name>
    <param-value>ticket</param-value>
  </init-param>
  <init-param>
    <param-name>redirectAfterValidation</param-name>
    <param-value>true</param-value>
  </init-param>
</filter>
```

Una volta generato il ticket valido per la verifica dell'autenticazione, questa viene effettuata nel sistema che detiene le credenziali degli utenti, che nel caso in questione è un database MySQL.

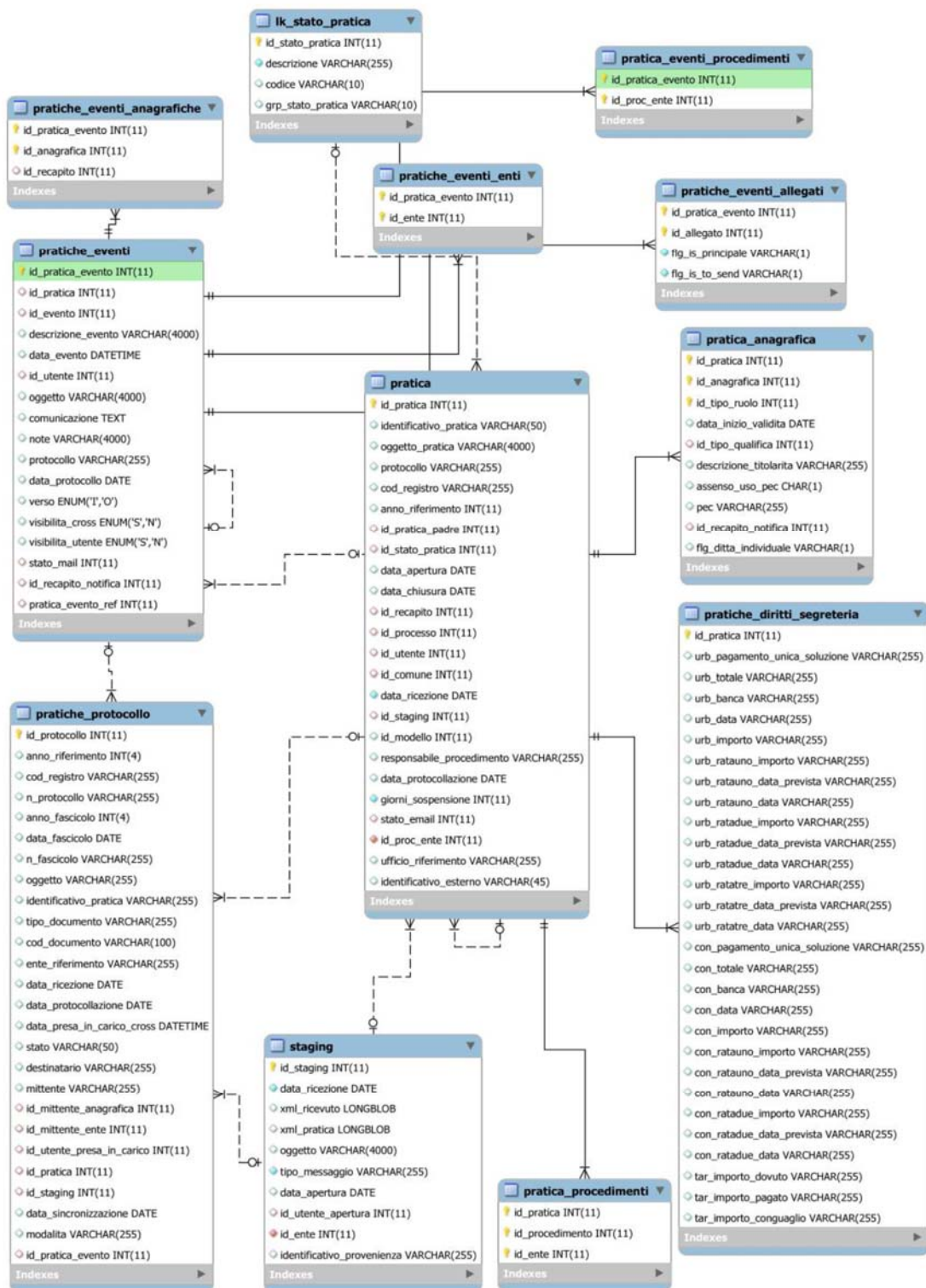
## 2. Database e modello dati

Opencross è configurabile per Ente, Procedimento, e Tipologia di Processo (Workflow) da associare alla pratica di competenza dell'Ente. Il database dell'applicazione è stato implementato su DBMS MySQL. Di seguito viene riportato il modello Relazionale del database realizzato (schema OPENCROSS):



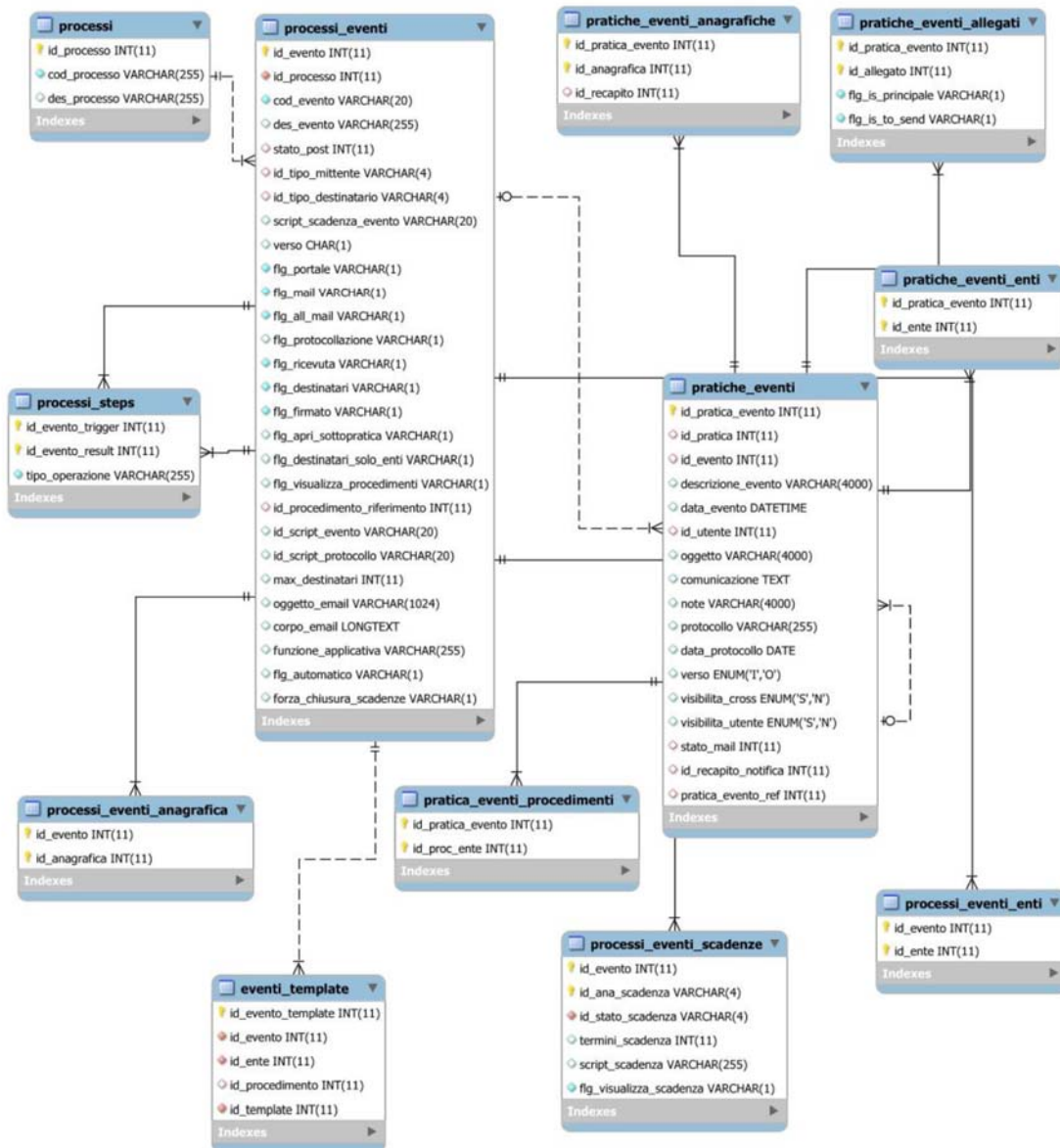
enti-procedimenti-processi-er

Opencross gestisce diverse tipologie di Anagrafiche in relazione alla pratica.



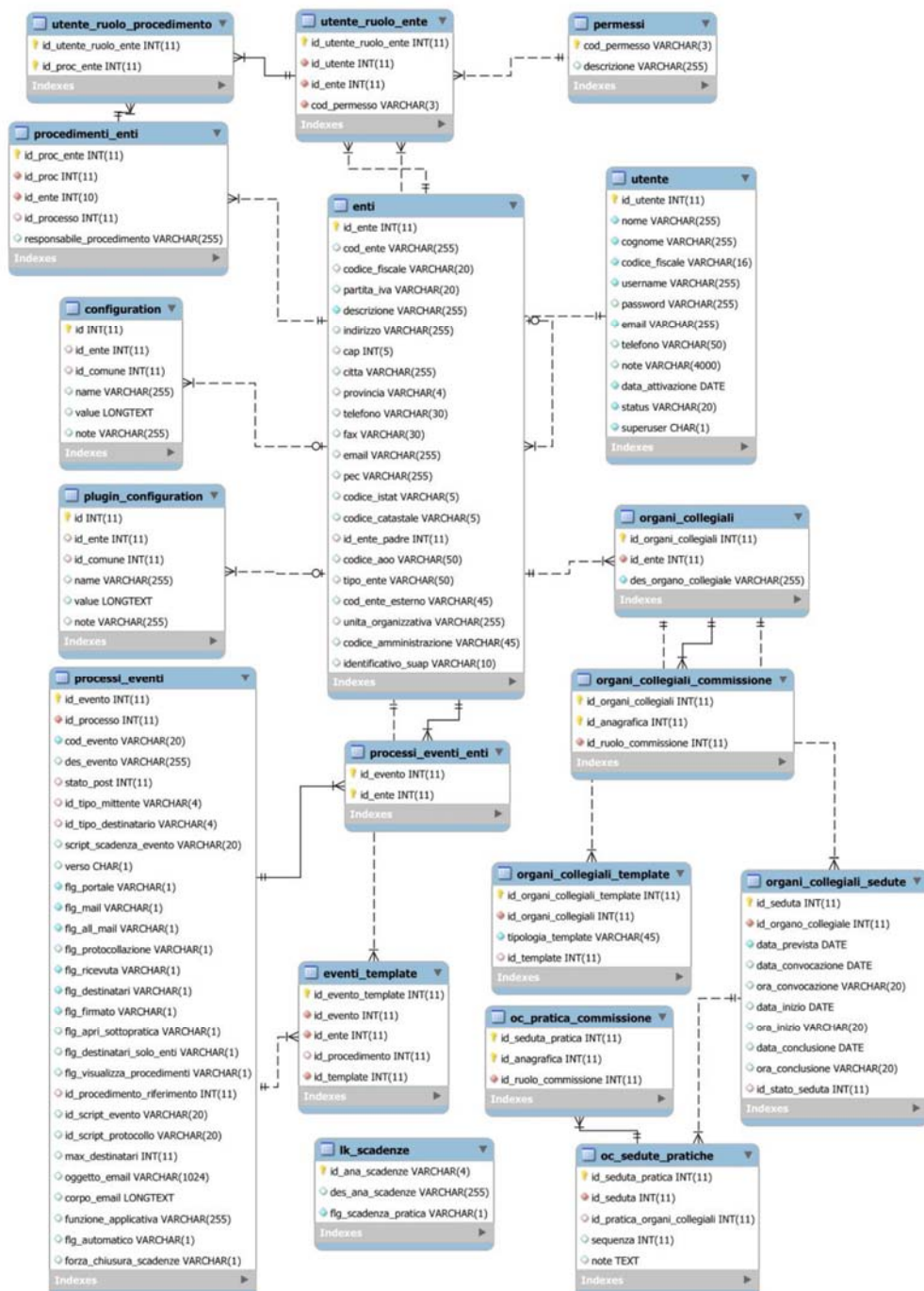
pratica-er

Opencross fornisce e traccia gli eventi / processi da mettere in atto per la gestione della pratica





Opencross fornisce la possibilità di profilare gli utenti, i plugin di integrazione con il protocollo , i parametri per la configurazione del MAIL SERVER , gli organi collegiali e le commissioni per la gestione della configurazione dei servizi.



**enti-processi-relazioni enti-er**

### 3. Framework utilizzati e versioni

Scopo del framework	Framework utilizzato	Versione	Link ufficiale di riferimento
Implementazione del pattern MVC	Springframework	3.1.1	<a href="https://spring.io/blog/2012/02/17/spring-framework-3-1-1-released">https://spring.io/blog/2012/02/17/spring-framework-3-1-1-released</a>
Implementazione del pattern DAO	Hibernate	4.2.0	<a href="https://hibernate.org/orm/releases/4.2/">https://hibernate.org/orm/releases/4.2/</a>
Gestione templates delle componenti view	Apache Tiles	2.2.2	<a href="https://tiles.apache.org/2.2/framework/index.html">https://tiles.apache.org/2.2/framework/index.html</a>
Esposizione di Web Service	Apache CXF	2.3.9	<a href="http://cxf.apache.org/apache-cxf-239-release-notes.html">http://cxf.apache.org/apache-cxf-239-release-notes.html</a>
Gestione del flusso BPMN 2.0	Activiti	5.15.1	<a href="https://www.activiti.org/userguide/">https://www.activiti.org/userguide/</a>
Gestione dei log applicativi	SLF4J	1.7.25	<a href="http://www.slf4j.org/docs.html">http://www.slf4j.org/docs.html</a>
Generazione di documenti	itextpdf	5.5.2	<a href="https://itextpdf.com/en/resources/releases/release-itext-552">https://itextpdf.com/en/resources/releases/release-itext-552</a>

### 4. Architettura dei servizi esposti

I web service esposti da parte della piattaforma CROSS, sono realizzati secondo l'architettura SOAP ed implementati con la tecnologia Apache CXF.

Attraverso l'URL <http://suapsuecross.collaudoavmtb/cross-ws/services> è possibile vedere l'elenco dei servizi esposti. Di seguito l'elenco:

Available SOAP services:	
<b>AggiornaSuapSoap</b> • Aggiorna	Endpoint address: <a href="http://suapsuecross.collaudoavmtb/cross-ws/services/AggiornaSuap">http://suapsuecross.collaudoavmtb/cross-ws/services/AggiornaSuap</a> WSDL : <a href="http://italysolution.com/Suap/AggiornaSuap">http://italysolution.com/Suap/AggiornaSuap</a> Target namespace: <a href="http://italysolution.com/Suap">http://italysolution.com/Suap</a>
<b>CripalPraticheService</b> • getPraticaDetail • getPraticheList	Endpoint address: <a href="http://suapsuecross.collaudoavmtb/cross-ws/services/CripalPraticheService">http://suapsuecross.collaudoavmtb/cross-ws/services/CripalPraticheService</a> WSDL : <a href="http://www.wego.it/cross/CripalPraticheService">http://www.wego.it/cross/CripalPraticheService</a> Target namespace: <a href="http://www.wego.it/cross">http://www.wego.it/cross</a>
<b>CrossServices</b> • inserisciEvento • getListaEventi	Endpoint address: <a href="http://suapsuecross.collaudoavmtb/cross-ws/services/CrossServices">http://suapsuecross.collaudoavmtb/cross-ws/services/CrossServices</a> WSDL : <a href="http://interoperability.cxf.webservices.cross.wego.it/CrossServicesImplService">http://interoperability.cxf.webservices.cross.wego.it/CrossServicesImplService</a> Target namespace: <a href="http://interoperability.cxf.webservices.cross.wego.it/">http://interoperability.cxf.webservices.cross.wego.it/</a>
<b>CrossWSService</b> • process	Endpoint address: <a href="http://suapsuecross.collaudoavmtb/cross-ws/services/CrossService">http://suapsuecross.collaudoavmtb/cross-ws/services/CrossService</a> WSDL : <a href="http://webservice.backend.people.it/CrossWSServiceService">http://webservice.backend.people.it/CrossWSServiceService</a> Target namespace: <a href="http://webservice.backend.people.it/">http://webservice.backend.people.it/</a>
<b>PeoplePratiche</b> • process	Endpoint address: <a href="http://suapsuecross.collaudoavmtb/cross-ws/services/PeoplePraticheService">http://suapsuecross.collaudoavmtb/cross-ws/services/PeoplePraticheService</a> WSDL : <a href="http://webservice.backend.people.it/PeoplePraticheService">http://webservice.backend.people.it/PeoplePraticheService</a> Target namespace: <a href="http://webservice.backend.people.it/">http://webservice.backend.people.it/</a>
<b>RicercaPratiche</b>	Endpoint address: <a href="http://suapsuecross.collaudoavmtb/cross-ws/services/RicercaPraticheService">http://suapsuecross.collaudoavmtb/cross-ws/services/RicercaPraticheService</a> WSDL : <a href="http://ricercapratiche.cxf.webservices.cross.wego.it/RicercaPraticheService">http://ricercapratiche.cxf.webservices.cross.wego.it/RicercaPraticheService</a> Target namespace: <a href="http://ricercapratiche.cxf.webservices.cross.wego.it/">http://ricercapratiche.cxf.webservices.cross.wego.it/</a>

#### Elenco servizi esposti

#### WSDL servizio AggiornaSuapSoap

```
<?xml version="1.0" encoding="UTF-8"?> <wsdl:definitions
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:ns1="http://schemas.xmlsoap.org/soap/http"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
```



```

xmlns:tns="http://italysolution.com/Suap" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
name="AggiornaSuap" targetNamespace="http://italysolution.com/Suap"> <wsdl:types>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
targetNamespace="http://italysolution.com/Suap" version="1.0"> <xs:element
name="Aggiorna"> <xs:complexType> <xs:sequence> <xs:element minOccurs="0" name="user"
type="xs:string" /> <xs:element minOccurs="0" name="password" type="xs:string" />
<xs:element minOccurs="0" name="dati" type="xs:string" /> </xs:sequence>
</xs:complexType> </xs:element> <xs:element name="AggiornaResponse"> <xs:complexType>
<xs:sequence> <xs:element minOccurs="0" name="AggiornaResult" type="xs:string" />
</xs:sequence> </xs:complexType> </xs:element> </xs:schema> </wsdl:types> <wsdl:message
name="Aggiorna"> <wsdl:part element="tns:Aggiorna" name="parameters" /> </wsdl:message>
<wsdl:message name="AggiornaResponse"> <wsdl:part element="tns:AggiornaResponse"
name="parameters" /> </wsdl:message> <wsdl:portType name="AggiornaSuapSoap">
<wsdl:operation name="Aggiorna"> <wsdl:input message="tns:Aggiorna" name="Aggiorna" />
<wsdl:output message="tns:AggiornaResponse" name="AggiornaResponse" /> </wsdl:operation>
</wsdl:portType> <wsdl:binding name="AggiornaSuapSoapBinding"
type="tns:AggiornaSuapSoap"> <soap:binding style="document"
transport="http://schemas.xmlsoap.org/soap/http" /> <wsdl:operation name="Aggiorna">
<soap:operation soapAction="http://italysolution.com/Suap/Aggiorna" style="document" />
<wsdl:input name="Aggiorna"> <soap:body use="literal" /> </wsdl:input> <wsdl:output
name="AggiornaResponse"> <soap:body use="literal" /> </wsdl:output> </wsdl:operation>
</wsdl:binding> <wsdl:service name="AggiornaSuap"> <wsdl:port
binding="tns:AggiornaSuapSoapBinding" name="AggiornaSuapSoap12"> <soap:address
location="http://suapsuecross.collaudoavmtb/cross-ws/services/AggiornaSuap" />
</wsdl:port> </wsdl:service> </wsdl:definitions>

```

## WSDL servizio CripalPraticheService

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<wsdl:definitions xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
targetNamespace="http://www.wego.it/cross" name="CripalPraticheService"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:wsoap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:cross="http://www.wego.it/cross"><wsdl:types><xs:schema
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:wsoap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/" xmlns:cross="http://www.wego.it/cross"
attributeFormDefault="unqualified"><xs:import
schemaLocation="http://suapsuecross.collaudoavmtb/cross-
ws/services/CripalPraticheService?xsd=cripal-pratiche-service.xsd"
namespace="http://www.wego.it/cross"/><xs:element name="PraticaDetailRequest"
type="cross:PraticaDetailRequest"/><xs:element name="PraticaDetailResponse"

```

```

type="cross:PraticaDetailResponse"/><xs:element name="ElencoPraticheRequest"
type="cross:ElencoPraticheRequest"/><xs:element name="ElencoPraticheResponse"
type="cross:ElencoPraticheResponse"/></xs:schema></wsdl:types><wsdl:message
name="getPraticaDetailRequest"><wsdl:part name="parameters"
element="cross:PraticaDetailRequest"> </wsdl:part></wsdl:message><wsdl:message
name="getPraticheListRequest"><wsdl:part name="parameters"
element="cross:ElencoPraticheRequest"> </wsdl:part></wsdl:message><wsdl:message
name="getPraticaDetailResponse"><wsdl:part name="parameters"
element="cross:PraticaDetailResponse"> </wsdl:part></wsdl:message><wsdl:message
name="getPraticheListResponse"><wsdl:part name="parameters"
element="cross:ElencoPraticheResponse"> </wsdl:part></wsdl:message><wsdl:portType
name="CripalPraticheService"><wsdl:operation name="getPraticaDetail"><wsdl:input
name="getPraticaDetailRequest" message="cross:getPraticaDetailRequest">
</wsdl:input><wsdl:output name="getPraticaDetailResponse"
message="cross:getPraticaDetailResponse"> </wsdl:output></wsdl:operation><wsdl:operation
name="getPraticheList"><wsdl:input name="getPraticheListRequest"
message="cross:getPraticheListRequest"> </wsdl:input><wsdl:output
name="getPraticheListResponse" message="cross:getPraticheListResponse">
</wsdl:output></wsdl:operation></wsdl:portType><wsdl:binding
name="CripalPraticheServiceSoapBinding"
type="cross:CripalPraticheService"><soap:binding
transport="http://schemas.xmlsoap.org/soap/http" style="document"/><wsdl:operation
name="getPraticaDetail"><soap:operation style="document" soapAction=""><wsdl:input
name="getPraticaDetailRequest"><soap:body use="literal"/></wsdl:input><wsdl:output
name="getPraticaDetailResponse"><soap:body
use="literal"/></wsdl:output></wsdl:operation><wsdl:operation
name="getPraticheList"><soap:operation style="document" soapAction=""><wsdl:input
name="getPraticheListRequest"><soap:body use="literal"/></wsdl:input><wsdl:output
name="getPraticheListResponse"><soap:body
use="literal"/></wsdl:output></wsdl:operation></wsdl:binding><wsdl:service
name="CripalPraticheService"><wsdl:port name="CripalPraticheService"
binding="cross:CripalPraticheServiceSoapBinding"><soap:address
location="http://suapsuecross.collaudoavmtb/cross-
ws/services/CripalPraticheService"/></wsdl:port></wsdl:service></wsdl:definitions>

```

## WSDL servizio CrossServices

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<wsdl:definitions xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:tns="http://interoperability.cxf.webservices.cross.wego.it/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:ns1="http://schemas.xmlsoap.org/soap/http"
targetNamespace="http://interoperability.cxf.webservices.cross.wego.it/"
name="CrossServicesImplService"><wsdl:types><xs:schema
xmlns:tns="http://interoperability.cxf.webservices.cross.wego.it/"
targetNamespace="http://interoperability.cxf.webservices.cross.wego.it/"

```

```

xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="unqualified"
attributeFormDefault="unqualified"><xs:element name="getListaEventi"
type="tns:getListaEventi"/><xs:element name="getListaEventiResponse"
type="tns:getListaEventiResponse"/><xs:element name="inserisciEvento"
type="tns:inserisciEvento"/><xs:element name="inserisciEventoResponse"
type="tns:inserisciEventoResponse"/><xs:complexType
name="inserisciEvento"><xs:sequence><xs:element name="evento" type="tns:evento"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="evento"><xs:sequence><xs:element name="allegati" type="tns:allegati"
minOccurs="0"/><xs:element name="codiceEnte" type="xs:string" minOccurs="0"/><xs:element
name="codiceEvento" type="xs:string" minOccurs="0"/><xs:element name="comunicazione"
type="tns:comunicazione" minOccurs="0"/><xs:element name="dataEvento"
type="xs:dateTime" minOccurs="0"/><xs:element name="dataProtocollo" type="xs:dateTime"
minOccurs="0"/><xs:element name="descrizioneEvento" type="xs:string"
minOccurs="0"/><xs:element name="idEvento" type="xs:int" minOccurs="0"/><xs:element
name="idPratica" type="xs:int" minOccurs="0"/><xs:element name="identificativoPratica"
type="xs:string" minOccurs="0"/><xs:element name="numeroProtocollo" type="xs:string"
minOccurs="0"/><xs:element name="soggetto" type="tns:soggetti"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="allegati"><xs:sequence><xs:element name="allegati" type="tns:allegato" minOccurs="0"
nillable="true" maxOccurs="unbounded"/></xs:sequence></xs:complexType><xs:complexType
name="allegato"><xs:sequence><xs:element name="descrizione" type="xs:string"
minOccurs="0"/><xs:element name="file" type="xs:string" minOccurs="0"/><xs:element
name="idFileEsterno" type="xs:string" minOccurs="0"/><xs:element name="mimeType"
type="xs:string" minOccurs="0"/><xs:element name="nomeFile" type="xs:string"
minOccurs="0"/><xs:element name="principale" type="xs:boolean"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="comunicazione"><xs:sequence><xs:element name="contenuto" type="xs:string"
minOccurs="0"/><xs:element name="oggetto" type="xs:string"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="soggetti"><xs:sequence><xs:element name="soggetti" type="tns:soggetto"
minOccurs="0" nillable="true"
maxOccurs="unbounded"/></xs:sequence></xs:complexType><xs:complexType
name="soggetto"><xs:sequence><xs:element name="codice" type="xs:string"
minOccurs="0"/><xs:element name="codiceFiscale" type="xs:string"
minOccurs="0"/><xs:element name="tipoSoggetto" type="tns:tipoSoggetto"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="inserisciEventoResponse"><xs:sequence><xs:element name="evento" type="tns:evento"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="getListaEventi"><xs:sequence><xs:element name="idPratica" type="xs:int"
minOccurs="0"/><xs:element name="identificativoPratica" type="xs:string"
minOccurs="0"/><xs:element name="codiceEnte" type="xs:string"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="getListaEventiResponse"><xs:sequence><xs:element name="eventi" type="tns:eventi"
minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
name="eventi"><xs:sequence><xs:element name="evento" type="tns:evento" minOccurs="0"
nillable="true" maxOccurs="unbounded"/></xs:sequence></xs:complexType><xs:simpleType

```

```

name="tipoSoggetto"><xs:restriction base="xs:string"><xs:enumeration
value="ANAGRAFICA"/></xs:restriction></xs:simpleType><xs:element name="CrossServicesException"
type="tns:CrossServicesException"/></xs:complexType>
name="CrossServicesException"><xs:sequence><xs:element name="detail" type="xs:string"
nillable="true"/></xs:sequence></xs:complexType></xs:schema></wsdl:types><wsdl:message
name="getListaEventi"><wsdl:part name="parameters" element="tns:getListaEventi">
</wsdl:part></wsdl:message><wsdl:message name="getListaEventiResponse"><wsdl:part
name="parameters" element="tns:getListaEventiResponse">
</wsdl:part></wsdl:message><wsdl:message name="inserisciEvento"><wsdl:part
name="parameters" element="tns:inserisciEvento">
</wsdl:part></wsdl:message><wsdl:message name="inserisciEventoResponse"><wsdl:part
name="parameters" element="tns:inserisciEventoResponse">
</wsdl:part></wsdl:message><wsdl:message name="CrossServicesException"><wsdl:part
name="CrossServicesException" element="tns:CrossServicesException">
</wsdl:part></wsdl:message><wsdl:portType name="CrossServices"><wsdl:operation
name="inserisciEvento"><wsdl:input name="inserisciEvento" message="tns:inserisciEvento">
</wsdl:input><wsdl:output name="inserisciEventoResponse"
message="tns:inserisciEventoResponse"> </wsdl:output><wsdl:fault
name="CrossServicesException" message="tns:CrossServicesException">
</wsdl:fault></wsdl:operation><wsdl:operation name="getListaEventi"><wsdl:input
name="getListaEventi" message="tns:getListaEventi"> </wsdl:input><wsdl:output
name="getListaEventiResponse" message="tns:getListaEventiResponse">
</wsdl:output><wsdl:fault name="CrossServicesException"
message="tns:CrossServicesException">
</wsdl:fault></wsdl:operation></wsdl:portType><wsdl:binding
name="CrossServicesImplServiceSoapBinding" type="tns:CrossServices"><soap:binding
transport="http://schemas.xmlsoap.org/soap/http" style="document"/><wsdl:operation
name="inserisciEvento"><soap:operation style="document" soapAction=""><wsdl:input
name="inserisciEvento"><soap:body use="literal"/></wsdl:input><wsdl:output
name="inserisciEventoResponse"><soap:body use="literal"/></wsdl:output><wsdl:fault
name="CrossServicesException"><soap:fault name="CrossServicesException"
use="literal"/></wsdl:fault></wsdl:operation><wsdl:operation
name="getListaEventi"><soap:operation style="document" soapAction=""><wsdl:input
name="getListaEventi"><soap:body use="literal"/></wsdl:input><wsdl:output
name="getListaEventiResponse"><soap:body use="literal"/></wsdl:output><wsdl:fault
name="CrossServicesException"><soap:fault name="CrossServicesException"
use="literal"/></wsdl:fault></wsdl:operation></wsdl:binding><wsdl:service
name="CrossServicesImplService"><wsdl:port name="CrossServicesImplPort"
binding="tns:CrossServicesImplServiceSoapBinding"><soap:address
location="http://suapsuecross.collaudoavmtb/cross-
ws/services/CrossServices"/></wsdl:port></wsdl:service></wsdl:definitions>

```

WSDL servizio CrossWSService

```
<?xml version="1.0" encoding="ISO-8859-1"?>
```

```

<wsdl:definitions xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
targetNamespace="http://webservice.backend.people.it/"
xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:intf="http://webservice.backend.people.it/"
xmlns:impl="http://webservice.backend.people.it/"
xmlns:apachesoap="http://xml.apache.org/xml-soap"><wsdl:types><schema
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
targetNamespace="http://webservice.backend.people.it/" elementFormDefault="qualified"
xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:intf="http://webservice.backend.people.it/"
xmlns:impl="http://webservice.backend.people.it/"
xmlns:apachesoap="http://xml.apache.org/xml-soap"
xmlns="http://www.w3.org/2001/XMLSchema"><element
name="process"><complexType><sequence><element name="data"
type="xsd:string"/></sequence></complexType></element><element
name="processResponse"><complexType><sequence><element name="processReturn"
type="xsd:string"/></sequence></complexType></element></schema></wsdl:types><wsdl:message
name="processRequest"><wsdl:part name="parameters" element="impl:process">
</wsdl:part></wsdl:message><wsdl:message name="processResponse"><wsdl:part
name="parameters" element="impl:processResponse">
</wsdl:part></wsdl:message><wsdl:portType name="CrossWSService"><wsdl:operation
name="process"><wsdl:input name="processRequest" message="impl:processRequest">
</wsdl:input><wsdl:output name="processResponse" message="impl:processResponse">
</wsdl:output></wsdl:operation></wsdl:portType><wsdl:binding
name="CrossWSServiceSoapBinding" type="impl:CrossWSService"><wsdlsoap:binding
transport="http://schemas.xmlsoap.org/soap/http" style="document"/><wsdl:operation
name="process"><wsdlsoap:operation soapAction="process"/><wsdl:input
name="processRequest"><wsdlsoap:body use="literal"/></wsdl:input><wsdl:output
name="processResponse"><wsdlsoap:body
use="literal"/></wsdl:output></wsdl:operation></wsdl:binding><wsdl:service
name="CrossWSServiceService"><wsdl:port name="CrossWSService"
binding="impl:CrossWSServiceSoapBinding"><wsdlsoap:address
location="http://suapsuecross.collaudoavmtb/cross-
ws/services/CrossService"/></wsdl:port></wsdl:service></wsdl:definitions>

```

## WSDL servizio PeoplePratiche

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<wsdl:definitions xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
targetNamespace="http://webservice.backend.people.it/"
xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:intf="http://webservice.backend.people.it/"
xmlns:impl="http://webservice.backend.people.it/"
xmlns:apachesoap="http://xml.apache.org/xml-soap"><wsdl:types><schema

```



```

xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
targetNamespace="http://webservice.backend.people.it/" elementFormDefault="qualified"
xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:intf="http://webservice.backend.people.it/"
xmlns:impl="http://webservice.backend.people.it/"
xmlns:apachesoap="http://xml.apache.org/xml-soap"
xmlns="http://www.w3.org/2001/XMLSchema"><element
name="process"><complexType><sequence><element name="data"
type="xsd:string"/></sequence></complexType></element><element
name="processResponse"><complexType><sequence><element name="processReturn"
type="xsd:string"/></sequence></complexType></element></schema></wsdl:types><wsdl:mes-
sage name="processRequest"><wsdl:part name="parameters" element="impl:process">
</wsdl:part></wsdl:message><wsdl:message name="processResponse"><wsdl:part
name="parameters" element="impl:processResponse">
</wsdl:part></wsdl:message><wsdl:portType name="PeoplePratiche"><wsdl:operation
name="process"><wsdl:input name="processRequest" message="impl:processRequest">
</wsdl:input><wsdl:output name="processResponse" message="impl:processResponse">
</wsdl:output></wsdl:operation></wsdl:portType><wsdl:binding
name="PeoplePraticheSoapBinding" type="impl:PeoplePratiche"><wsdlsoap:binding
transport="http://schemas.xmlsoap.org/soap/http" style="document"/><wsdl:operation
name="process"><wsdlsoap:operation soapAction="process"/><wsdl:input
name="processRequest"><wsdlsoap:body use="literal"/></wsdl:input><wsdl:output
name="processResponse"><wsdlsoap:body
use="literal"/></wsdl:output></wsdl:operation></wsdl:binding><wsdl:service
name="PeoplePraticheService"><wsdl:port name="PeoplePratiche"
binding="impl:PeoplePraticheSoapBinding"><wsdlsoap:address
location="http://suapsuecross.collaudoavmtb/cross-
ws/services/PeoplePraticheService"/></wsdl:port></wsdl:service></wsdl:definitions>

```

#### WSDL servizio RicercaPratiche

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<wsdl:definitions xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:tns="http://ricercapratiche.cxf.webservices.cross.wego.it/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:ns1="http://schemas.xmlsoap.org/soap/http"
targetNamespace="http://ricercapratiche.cxf.webservices.cross.wego.it/"
name="RicercaPraticheService"><wsdl:types><xsd:schema
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://ricercapratiche.cxf.webservices.cross.wego.it/"
targetNamespace="http://ricercapratiche.cxf.webservices.cross.wego.it/"
elementFormDefault="qualified" attributeFormDefault="unqualified"><xsd:element
name="invoke" type="xsd:anyType" nillable="true"/><xsd:element name="invokeResponse"
type="xsd:anyType" nillable="true"/></xsd:schema></wsdl:types><wsdl:message
name="invoke"><wsdl:part name="invoke" element="tns:invoke">

```

```

</wsdl:part></wsdl:message><wsdl:message name="invokeResponse"><wsdl:part
name="invokeResponse" element="tns:invokeResponse">
</wsdl:part></wsdl:message><wsdl:portType name="RicercaPratiche"><wsdl:operation
name="invoke"><wsdl:input name="invoke" message="tns:invoke"> </wsdl:input><wsdl:output
name="invokeResponse" message="tns:invokeResponse">
</wsdl:output></wsdl:operation></wsdl:portType><wsdl:binding
name="RicercaPraticheServiceSoapBinding" type="tns:RicercaPratiche"><soap:binding
transport="http://schemas.xmlsoap.org/soap/http" style="document"/><wsdl:operation
name="invoke"><soap:operation style="document" soapAction=""/><wsdl:input
name="invoke"><soap:body use="literal"/></wsdl:input><wsdl:output
name="invokeResponse"><soap:body
use="literal"/></wsdl:output></wsdl:operation></wsdl:binding><wsdl:service
name="RicercaPraticheService"><wsdl:port name="RicercaPratichePort"
binding="tns:RicercaPraticheServiceSoapBinding"><soap:address
location="http://suapsuecross.collaudoavmtb/cross-
ws/services/RicercaPraticheService"/></wsdl:port></wsdl:service></wsdl:definitions>

```

## 5. Schema XSD pratiche SUE SUAP

Le pratiche inserite nella piattaforma OpenCross devono supportare lo schema xsd seguente, al fine di poter trasformare le pratiche pervenute in oggetti xml.

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="http://www.wego.it/cross"
targetNamespace="http://www.wego.it/cross" elementFormDefault="qualified">

  <xs:element name="pratica" type="pratica"/>

  <xs:complexType name="anagrafica">
    <xs:sequence>
      <xs:element minOccurs="1" name="counter" type="xs:integer"/>
      <xs:element minOccurs="0" name="confermata" type="xs:string"/>
      <xs:element minOccurs="0" name="da_rubrica" type="xs:string"/>
      <xs:element minOccurs="0" name="id_anagrafica" type="xs:integer"/>
      <xs:element minOccurs="1" name="tipo_anagrafica" type="xs:string"/>
      <xs:element minOccurs="0" name="variante_anagrafica" type="xs:string"/>
      <xs:element minOccurs="0" name="cognome" type="xs:string"/>
      <xs:element minOccurs="0" name="denominazione" type="xs:string"/>
      <xs:element minOccurs="0" name="nome" type="xs:string"/>
      <xs:element minOccurs="0" name="codice_fiscale" type="xs:string"/>
      <xs:element minOccurs="0" name="partita_iva" type="xs:string"/>
      <xs:element minOccurs="0" name="flg_individuale" type="xs:string"/>
      <xs:element minOccurs="0" name="data_nascita" type="xs:date"/>
      <xs:element minOccurs="0" name="id_cittadinanza" type="xs:integer"/>
      <xs:element minOccurs="0" name="cod_cittadinanza" type="xs:string"/>
      <xs:element minOccurs="0" name="des_cittadinanza" type="xs:string"/>
      <xs:element minOccurs="0" name="id_nazionalita" type="xs:integer"/>
    </xs:sequence>
  </xs:complexType>

```

```

<xs:element minOccurs="0" name="cod_nazionalita" type="xs:string"/>
<xs:element minOccurs="0" name="des_nazionalita" type="xs:string"/>
<xs:element minOccurs="0" name="id_comune_nascita" type="xs:integer"/>
<xs:element minOccurs="0" name="des_comune_nascita" type="xs:string"/>
<xs:element minOccurs="0" name="id_provincia_nascita" type="xs:integer"/>
<xs:element minOccurs="0" name="des_provincia_nascita" type="xs:string"/>
<xs:element minOccurs="0" name="id_stato_nascita" type="xs:integer"/>
<xs:element minOccurs="0" name="des_stato_nascita" type="xs:string"/>
<xs:element minOccurs="0" name="localita_nascita" type="xs:string"/>
<xs:element minOccurs="0" name="sesso" type="xs:string"/>
<xs:element minOccurs="0" name="id_tipo_collegio" type="xs:integer"/>
<xs:element minOccurs="0" name="des_tipo_collegio" type="xs:string"/>
<xs:element minOccurs="0" name="numero_iscrizione" type="xs:string"/>
<xs:element minOccurs="0" name="data_iscrizione" type="xs:date"/>
<xs:element minOccurs="0" name="id_provincia_iscrizione"
type="xs:integer"/>
<xs:element minOccurs="0" name="des_provincia_iscrizione"
type="xs:string"/>
<xs:element minOccurs="0" name="id_provincia_cciaa" type="xs:integer"/>
<xs:element minOccurs="0" name="des_provincia_cciaa" type="xs:string"/>
<xs:element minOccurs="0" name="flg_attesa_iscrizione_ri"
type="xs:boolean"/>
<xs:element minOccurs="0" name="flg_obbligo_iscrizione_ri"
type="xs:boolean"/>
<xs:element minOccurs="0" name="data_iscrizione_ri" type="xs:date"/>
<xs:element minOccurs="0" name="n_iscrizione_ri" type="xs:string"/>
<xs:element minOccurs="0" name="flg_attesa_iscrizione_rea"
type="xs:boolean"/>
<xs:element minOccurs="0" name="data_iscrizione_rea" type="xs:date"/>
<xs:element minOccurs="0" name="n_iscrizione_rea" type="xs:string"/>
<xs:element minOccurs="0" name="id_forma_giuridica" type="xs:integer"/>
<xs:element minOccurs="0" name="des_forma_giuridica" type="xs:string"/>
<xs:element minOccurs="0" name="recapiti" type="recapiti"/>
</xs:sequence>
</xs:complexType>

<xs:complexType name="recapiti">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="recapito"
type="recapito"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="recapito">
  <xs:sequence>
    <xs:element minOccurs="1" name="counter" type="xs:integer"/>
    <xs:element minOccurs="0" name="id_recapito" type="xs:integer"/>
    <xs:element minOccurs="0" name="presso" type="xs:string"/>
    <xs:element minOccurs="0" name="id_comune" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_comune" type="xs:string"/>
    <xs:element minOccurs="0" name="localita" type="xs:string"/>
    <xs:element minOccurs="0" name="id_provincia" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_provincia" type="xs:string"/>
    <xs:element minOccurs="0" name="id_stato" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_stato" type="xs:string"/>
    <xs:element minOccurs="0" name="id_dug" type="xs:integer"/>
    <xs:element minOccurs="0" name="indirizzo" type="xs:string"/>
    <xs:element minOccurs="0" name="codice_via" type="xs:string"/>
    <xs:element minOccurs="0" name="n_civico" type="xs:string"/>
    <xs:element minOccurs="0" name="codice_civico" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

```

<xs:element minOccurs="0" name="interno_numero" type="xs:string"/>
<xs:element minOccurs="0" name="interno_lettera" type="xs:string"/>
<xs:element minOccurs="0" name="interno_scala" type="xs:string"/>
<xs:element minOccurs="0" name="lettera" type="xs:string"/>
<xs:element minOccurs="0" name="colore" type="xs:string"/>
<xs:element minOccurs="0" name="cap" type="xs:string"/>
<xs:element minOccurs="0" name="casella_postale" type="xs:string"/>
<xs:element minOccurs="0" name="altre_info_indirizzo" type="xs:string"/>
<xs:element minOccurs="0" name="telefono" type="xs:string"/>
<xs:element minOccurs="0" name="cellulare" type="xs:string"/>
<xs:element minOccurs="0" name="fax" type="xs:string"/>
<xs:element minOccurs="0" name="email" type="xs:string"/>
<xs:element minOccurs="0" name="pec" type="xs:string"/>
<xs:element minOccurs="0" name="id_tipo_indirizzo" type="xs:integer"/>
<xs:element minOccurs="0" name="des_tipo_indirizzo" type="xs:string"/>
</xs:sequence>
</xs:complexType>

<xs:complexType name="dati_catastali">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="unbounded" name="immobile"
type="immobile"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="immobile">
  <xs:sequence>
    <xs:element minOccurs="1" name="counter" type="xs:integer"/>
    <xs:element minOccurs="0" name="id_immobile" type="xs:integer"/>
    <xs:element minOccurs="0" name="cod_immobile" type="xs:string"/>
    <xs:element minOccurs="0" name="id_tipo_sistema_catastale"
type="xs:integer"/>
    <xs:element minOccurs="0" name="des_tipo_sistema_catastale"
type="xs:string"/>
    <xs:element minOccurs="0" name="sezione" type="xs:string"/>
    <xs:element minOccurs="0" name="id_tipo_unita" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_tipo_unita" type="xs:string"/>
    <xs:element minOccurs="0" name="foglio" type="xs:string"/>
    <xs:element minOccurs="0" name="mappale" type="xs:string"/>
    <xs:element minOccurs="0" name="id_tipo_particella" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_tipo_particella" type="xs:string"/>
    <xs:element minOccurs="0" name="estensione_particella" type="xs:string"/>
    <xs:element minOccurs="0" name="subalterno" type="xs:string"/>
    <xs:element minOccurs="0" name="latitudine" type="xs:string"/>
    <xs:element minOccurs="0" name="longitudine" type="xs:string"/>
    <xs:element minOccurs="0" name="id_comune" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_comune" type="xs:string"/>
    <xs:element minOccurs="0" name="id_provincia" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_provincia" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="indirizzi_intervento">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="unbounded" name="indirizzo_intervento"
type="indirizzo_intervento"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="indirizzo_intervento">

```

```

<xs:sequence>
  <xs:element minOccurs="1" name="counter" type="xs:integer"/>
  <xs:element minOccurs="0" name="id_indirizzo_intervento"
type="xs:integer"/>
  <xs:element minOccurs="0" name="id_comune" type="xs:integer"/>
  <xs:element minOccurs="0" name="des_comune" type="xs:string"/>
  <xs:element minOccurs="0" name="localita" type="xs:string"/>
  <xs:element minOccurs="0" name="id_provincia" type="xs:integer"/>
  <xs:element minOccurs="0" name="des_provincia" type="xs:string"/>
  <xs:element minOccurs="0" name="id_dug" type="xs:integer"/>
  <xs:element minOccurs="0" name="indirizzo" type="xs:string"/>
  <xs:element minOccurs="0" name="civico" type="xs:string"/>
  <xs:element minOccurs="0" name="altre_informazioni_indirizzo"
type="xs:string"/>
  <xs:element minOccurs="0" name="cap" type="xs:string"/>
  <xs:element minOccurs="0" name="codice_via" type="xs:string"/>
  <xs:element minOccurs="0" name="codice_civico" type="xs:string"/>
  <xs:element minOccurs="0" name="interno_numero" type="xs:string"/>
  <xs:element minOccurs="0" name="interno_lettera" type="xs:string"/>
  <xs:element minOccurs="0" name="interno_scala" type="xs:string"/>
  <xs:element minOccurs="0" name="lettera" type="xs:string"/>
  <xs:element minOccurs="0" name="colore" type="xs:string"/>
  <xs:element minOccurs="0" name="latitudine" type="xs:string"/>
  <xs:element minOccurs="0" name="longitudine" type="xs:string"/>
  <xs:element minOccurs="0" name="dato_esteso_1" type="xs:string"/>
  <xs:element minOccurs="0" name="dato_esteso_2" type="xs:string"/>
  <xs:element minOccurs="0" name="piano" type="xs:string"/>
</xs:sequence>
</xs:complexType>

<xs:complexType name="anagrafiche">
  <xs:sequence>
    <xs:element minOccurs="1" name="anagrafica" type="anagrafica"/>
    <xs:element minOccurs="0" name="notifica" type="recapito"/>
    <xs:element minOccurs="0" name="id_tipo_ruolo" type="xs:integer"/>
    <xs:element minOccurs="0" name="cod_tipo_ruolo" type="xs:string"/>
    <xs:element minOccurs="0" name="des_tipo_ruolo" type="xs:string"/>
    <xs:element minOccurs="0" name="data_inizio_validita" type="xs:date"/>
    <xs:element minOccurs="0" name="id_tipo_qualifica" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_tipo_qualifica" type="xs:string"/>
    <xs:element minOccurs="0" name="descrizione_titolarita" type="xs:string"/>
    <xs:element minOccurs="0" name="assenso_uso_pec" type="xs:boolean"/>
    <xs:element minOccurs="0" name="pec" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="pratica">
  <xs:sequence>
    <xs:element minOccurs="0" name="id_pratica" type="xs:integer">
      <xs:annotation>
        <xs:documentation>Identificativo pratica. Viene utilizzato nel ws
di creazione di un evento</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element minOccurs="1" maxOccurs="1" name="id_procedimento_suap"
type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="des_procedimento_suap"
type="xs:string"/>
    <xs:element minOccurs="0" name="identificativo_pratica" type="xs:string"/>
    <xs:element minOccurs="0" name="identificativo_esterno" type="xs:string"/>

```



```

        <xs:element minOccurs="0" name="oggetto" type="xs:string"/>
        <xs:element minOccurs="0" name="responsabile_procedimento"
type="xs:string"/>
        <xs:element minOccurs="0" name="istruttore" type="xs:string"/>
        <xs:element minOccurs="0" name="termini_evasione_pratica"
type="xs:integer"/>
        <xs:element minOccurs="0" name="notifica" type="recapito"/>
        <xs:element minOccurs="0" name="cod_catastale_comune" type="xs:string"/>
        <xs:element minOccurs="0" name="des_comune" type="xs:string"/>
        <!-- Identifica lo sportello a cui viene presentata la pratica e deve
essere censito nella tabella enti di cross -->
        <xs:element minOccurs="0" name="id_ente" type="xs:integer"/>
        <xs:element minOccurs="0" name="cod_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="des_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="des_comune_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="indirizzo_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="cap_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="fax_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="email_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="pec_ente" type="xs:string"/>
        <xs:element minOccurs="0" name="telefono_ente" type="xs:string"/>
        <!-- Indica il riferimento alle pratiche protocollate manualmente e
popolate tramite quartz-->
        <xs:element minOccurs="0" name="id_protocollo_manuale" type="xs:integer"/>
        <xs:element minOccurs="0" name="registro" type="xs:string"/>
        <xs:element minOccurs="0" name="protocollo" type="xs:string"/>
        <xs:element minOccurs="0" name="fascicolo" type="xs:string"/>
        <xs:element minOccurs="0" name="anno" type="xs:string"/>
        <xs:element minOccurs="0" name="data_protocollo" type="xs:date"/>
        <xs:element minOccurs="0" name="data_ricezione" type="xs:date"/>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="anagrafiche"
type="anagrafiche"/>
        <xs:element minOccurs="0" name="dati_catastali" type="dati_catastali"/>
        <xs:element minOccurs="0" name="indirizzi_intervento"
type="indirizzi_intervento"/>
        <xs:element minOccurs="1" name="procedimenti" type="procedimenti"/>
        <xs:element minOccurs="0" name="scadenze" type="scadenze"/>
        <xs:element minOccurs="0" name="allegati" type="allegati"/>
        <xs:element minOccurs="0" name="eventi" type="eventi"/>
        <xs:element minOccurs="0" maxOccurs="1" name="evento_corrente"
type="evento"/>
        <xs:element minOccurs="0" name="id_stato_pratica" type="xs:integer"/>
        <xs:element minOccurs="0" name="cod_stato_pratica" type="xs:string"/>
        <xs:element minOccurs="0" name="des_stato_pratica" type="xs:string"/>
        <xs:element minOccurs="0" name="data_chiusura" type="xs:date"/>
        <xs:element minOccurs="0" name="dati_da_front" type="xs:string"/>
    </xs:sequence>
</xs:complexType>

    <xs:complexType name="eventi">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="evento"
type="evento"/>
        </xs:sequence>
    </xs:complexType>

    <xs:complexType name="evento">
        <xs:sequence>
            <xs:element minOccurs="0" name="id_pratica_evento" type="xs:integer"/>
            <xs:element minOccurs="0" name="id_evento" type="xs:integer"/>

```

```

<xs:element minOccurs="0" name="descrizione_evento" type="xs:string"/>
<xs:element minOccurs="0" name="data_evento" type="xs:date"/>
<xs:element minOccurs="0" name="id_utente" type="xs:integer"/>
<xs:element minOccurs="0" name="nome" type="xs:string"/>
<xs:element minOccurs="0" name="cognome" type="xs:string"/>
<xs:element minOccurs="0" name="note" type="xs:string"/>
<xs:element minOccurs="0" name="numero_protocollo" type="xs:string"/>
<xs:element minOccurs="0" name="verso">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="I"/>
      <xs:enumeration value="O"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element minOccurs="0" name="visibilita_cross">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="S"/>
      <xs:enumeration value="N"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element minOccurs="0" name="visibilita_utente">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="S"/>
      <xs:enumeration value="N"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element minOccurs="0" name="allegati" type="allegati"/>
</xs:sequence>
</xs:complexType>

<xs:complexType name="procedimenti">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="procedimento"
type="procedimento"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="procedimento">
  <xs:sequence>
    <xs:element minOccurs="0" name="id_procedimento" type="xs:int"/>
    <xs:element minOccurs="0" name="cod_procedimento" type="xs:string"/>
    <xs:element minOccurs="0" name="termini" type="xs:integer"/>
    <xs:element minOccurs="0" name="des_procedimento" type="xs:string"/>
    <xs:element minOccurs="0" name="cod_lang" type="xs:string"/>
    <xs:element minOccurs="0" name="id_ente_destinatario" type="xs:integer"/>
    <!-- In A&C inserire il valore codiceDestinatario del procedimento. Deve
essere censito nella tabella enti di cross -->
    <xs:element minOccurs="0" name="cod_ente_destinatario" type="xs:string"/>
    <xs:element minOccurs="0" name="des_ente_destinatario" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="allegati">
  <xs:sequence>

```

```

        <xs:element minOccurs="1" maxOccurs="unbounded" name="allegato"
type="allegato"/>
    </xs:sequence>
</xs:complexType>

<xs:complexType name="allegato">
    <xs:sequence>
        <xs:element minOccurs="0" name="riepilogoPratica">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:enumeration value="S"/>
                    <xs:enumeration value="N"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element minOccurs="0" name="id_allegato" type="xs:integer"/>
        <xs:element minOccurs="0" name="descrizione" type="xs:string"/>
        <xs:element minOccurs="0" name="nome_file" type="xs:string"/>
        <xs:element minOccurs="0" name="tipo_file" type="xs:string"/>
        <xs:element minOccurs="0" name="path_file" type="xs:string"/>
        <xs:element minOccurs="0" name="id_file_esterno" type="xs:string"/>
    </xs:sequence>
</xs:complexType>
<!--^^CS AGGIUNTA-->
<xs:complexType name="scadenze">
    <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="unbounded" name="scadenza"
type="scadenza"/>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="scadenza">
    <xs:sequence>
        <xs:element minOccurs="0" name="id_scadenza" type="xs:integer"/>
        <xs:element minOccurs="0" name="id_pratica" type="xs:integer"/>
        <xs:element minOccurs="0" name="data_scadenza" type="xs:date"/>
        <xs:element minOccurs="0" name="id_ana_scadenza" type="xs:string"/>
        <xs:element minOccurs="0" name="des_ana_scadenza" type="xs:string"/>
        <xs:element minOccurs="0" name="flg_ana_scadenza" type="xs:string"/>
        <xs:element minOccurs="0" name="id_stato_scadenza" type="xs:string"/>
        <xs:element minOccurs="0" name="des_stato_scadenza" type="xs:string"/>
        <xs:element minOccurs="0" name="grp_stato_scadenza" type="xs:string"/>
        <xs:element minOccurs="0" name="data_fine_scadenza" type="xs:date"/>
        <xs:element minOccurs="0" name="data_inizio_scadenza" type="xs:date"/>
        <xs:element minOccurs="0" name="id_pratica_evento" type="xs:integer"/>
        <xs:element minOccurs="0" name="giorni_teorici_scadenza"
type="xs:integer"/>
        <xs:element minOccurs="0" name="descrizione" type="xs:string"/>
    </xs:sequence>
</xs:complexType>
</xs:schema>

```

## 6. Esempio di ciclo di vita di una richiesta di funzionalità web

I seguenti passaggi servono per esplicitare i passaggi di implementazione, necessari ad effettuare una modifica di una funzionalità web, e mostrano l'interazione delle componenti architetturali.

Architettura tipica BO:

PAGINA -> CONTROLLER -> ACTION -> SERVICE -> DAO

Esempio funzionamento pagina di ricerca e griglie:

Si parte dalla jsp in cui si vuol effettuare la modifica: per modificare il menù andare in:

`\backoffice\cross\cross-web\src\main\webapp\themes\default\views\main\header.jsp`

Il css che è agganciato al menù è:

`\backoffice\cross\cross-web\src\main\webapp\themes\default\css\main.css`

Il properties che contiene la label del menu è:

`\backoffice\cross\cross-web\src\main\resources\locales\messages-menu.properties`

Si è scelto di operare nel Controller:

`\backoffice\cross\cross-web\src\main\java\it\wego\cross\controller\Pratiche.java`

La gestione della redirect dopo la fine del controller viene fatta al ready della pagina di atterraggio e quindi viene rimbalzato il flusso in un nuovo controller che popolerà griglia e dati di un eventuale filtro.

Nel dettaglio questa redirect funziona così:

nella pagina gestione.jsp in riga 66 c'è il metodo getUrl (Javascript) che costruisce l'url mappato nel controller partendo dall' url corrente e sostituendo gestisci.htm con gestisci /ajax.htm

In questo metodo "AJAX" si deve creare il Json secondo la struttura della griglia (definita in un file .js) per popolare la table di frontend presente nella pagina gestione.jsp

### Requisito aggiunta campo riepilogo - flusso

Dalla pagina di griglia si va nel dettaglio della singola pratica:

la tiles corrispondente è

`\backoffice\cross\cross-web\src\main\webapp\themes\default\views\main\body\pratiche\views.xml`

*name = pratica\_dettaglio* contiene tutte le pagine di riferimento per il dettaglio: body + tab

La pagina corrispondente che contiene il riepilogo della pratica è

*\backoffice\cross\cross-web\src\main\webapp\themes\default\views\main\body\pratiche\dettaglio.jsp*