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## Model Documentation

### Model Detail

This document provides a complete overview of all element details. For simpler and more focused reports, simply copy this initial template and turn off the sections not required.

### Model

Type:	<u>Package</u>
Status:	Proposed. Version . Phase 1.0.
Package:	
Detail:	<i>Created on 10/03/2014. Last modified on 10/03/2014</i>
GUID:	{F4E199A0-B648-482d-9501-3CC66C75A611}

### Package Model

Type:	<u>Package</u>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Model
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{47E60955-CCEE-457a-BB5D-98A7C8E7E261}

#### Package Model - (*Package diagram*)

<i>Created By:</i>	Raúl Estrada	on 08/03/2014
<i>Last Modified:</i>	08/03/2014	
<i>Version:</i>	1.0.	<i>Locked:</i> False
<i>GUID:</i>	{F29FFDF3-7907-4ceb-AB65-FC0DB48B1C0F}	

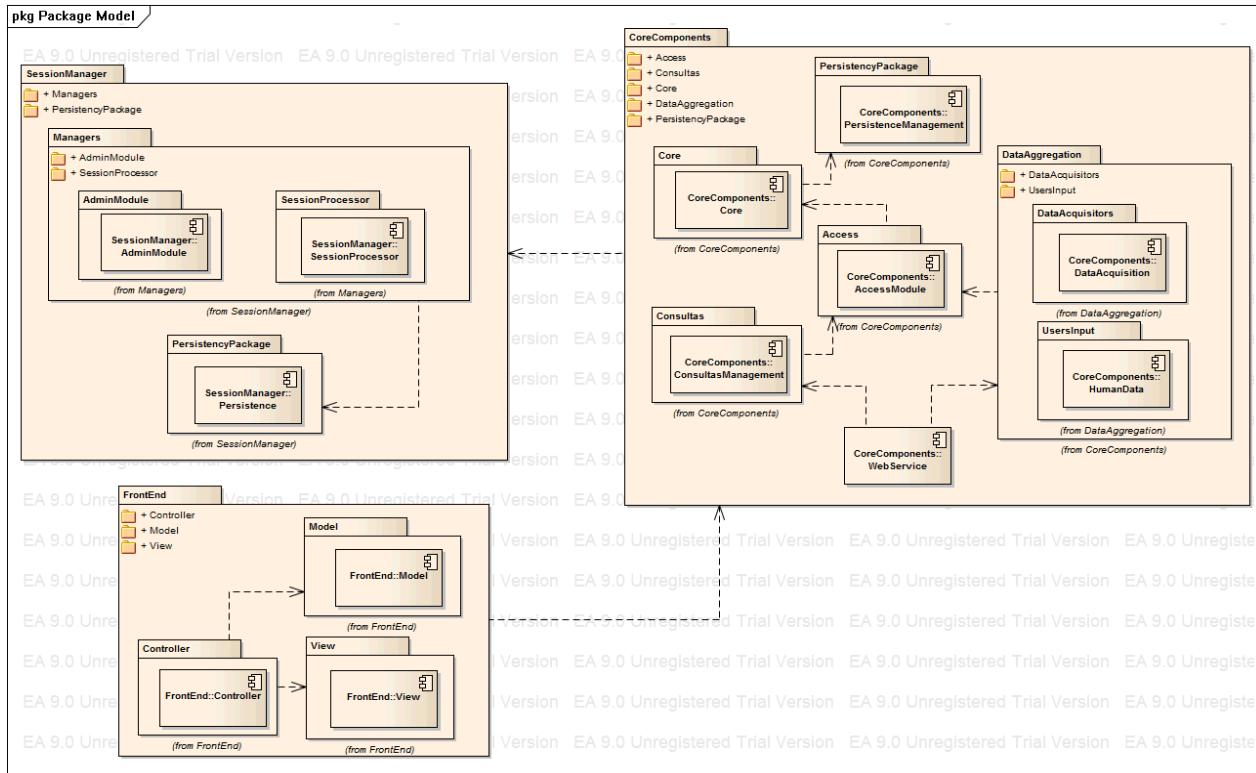


Figure: 1

## CoreComponents

Type:	Package
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Package Model
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{CCF6B7FA-CECD-4fd5-BF5E-8F186A8D2765}

Package que contiene el código encargado de peticiones de usuarios, y de agregar y acceder a nuevos recursos.

## Access

Type:	Package
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	CoreComponents
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{8EEADB55-7E99-4ad7-9EBE-757355A7ECE8}

Package que realiza una comprobación de acceso de las peticiones. Se filtran aquellas peticiones que no pasan el filtro y se responde a aquellas que sí lo pasan.

## Consultas

Type:	Package
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	CoreComponents
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>

**GUID:** {42CED15B-0080-485b-B5AB-2345C80891CD}

Package que se encarga de las peticiones de consulta al sistema

## Core

**Type:** **Package**

**Status:** Proposed. Version 1.0. Phase 1.0.

**Package:** CoreComponents

**Detail:** Created on 08/03/2014. Last modified on 08/03/2014

**GUID:** {C7785F16-F3F8-4b2e-982F-F1EF0BAC1F3F}

## DataAggregation

**Type:** **Package**

**Status:** Proposed. Version 1.0. Phase 1.0.

**Package:** CoreComponents

**Detail:** Created on 08/03/2014. Last modified on 08/03/2014

**GUID:** {420838AD-B446-4778-9239-011992A6E30E}

Package encargado de la agregación de información al sistema. Contiene packages que están más especializados en distintos tipos de agregación.

## DataAcquisitors

**Type:** **Package**

**Status:** Proposed. Version 1.0. Phase 1.0.

**Package:** DataAggregation

**Detail:** Created on 08/03/2014. Last modified on 08/03/2014

**GUID:** {BF87828F-F335-4241-885F-645B8F0F8E14}

Package que engloba la obtención de información de fuentes externas, y la agregación de estos datos al sistema.

## UsersInput

**Type:** **Package**

**Status:** Proposed. Version 1.0. Phase 1.0.

**Package:** DataAggregation

**Detail:** Created on 08/03/2014. Last modified on 08/03/2014

**GUID:** {7F2F1A7A-ADA8-457c-802D-8E6A79AE952F}

Package que contiene código de procesamiento de información que envía el usuario

## PersistencyPackage

**Type:** **Package**

**Status:** Proposed. Version 1.0. Phase 1.0.

**Package:** CoreComponents

**Detail:** Created on 08/03/2014. Last modified on 08/03/2014

**GUID:** {C66DEB10-B58D-4caa-9D9A-38AF472103E6}

Package que se encarga de la comunicación con el sistema de persistencia responsable de almacenar los datos e información relativa a los recursos del sistema.

## FrontEnd

Type:	<u>Package</u>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Package Model
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{3A6B1B67-D5FB-4a24-9542-A45A04C88135}
	Package principal que da soporte al código de la parte del front end.

## Controller

Type:	<u>Package</u>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	FrontEnd
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{4AC89508-C792-4adc-B311-6FE63E08B5A4}
	Package que da soporte al código del controlador, es decir, que define el modo en que el sistema reacciona ante el input del usuario y gestiona la navegabilidad.

## Model

Type:	<u>Package</u>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	FrontEnd
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{55E30344-2B13-407a-AFF6-140E2425DA23}
	Package que da soporte al código del modelo.

## View

Type:	<u>Package</u>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	FrontEnd
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{BC0ED509-797B-4a2b-B23A-FE43219D70C5}
	Package que da soporte al código de la vista, es decir, a la representación en pantalla de los resultados de la petición del usuario.

## SessionManager

Type:	<u>Package</u>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Package Model
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{CCA5704B-2FFC-41e2-9DCE-D1465909B1D7}
	Package principal para la gestión de usuarios y sesiones.

## Managers

Type:	<u>Package</u>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	SessionManager
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{6A7EC212-7035-4645-A366-2B0F8982B94E}
	Package que se encarga de gestionar los distintos elementos con los que trabaja el SessionManager. Contiene otros

packages Managers que se encargan de gestiones más específicas

### AdminModule

Type:	Package
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Managers
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{02EB297C-AFEA-437c-92F0-1A858D1BC0ED}

Package que se encarga de la gestión de usuarios y grupos.

### SessionProcessor

Type:	Package
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Managers
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{19B6D0DC-B958-4da3-9AC6-31673B6D2CC7}

Package que se encarga de la gestión de sesión.

### PersistencyPackage

Type:	Package
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	SessionManager
Detail:	<i>Created on 08/03/2014. Last modified on 08/03/2014</i>
GUID:	{2A84A61E-3691-4dfe-B79B-3C91BE299DDD}

Package que se encarga de la comunicación con el sistema de persistencia responsable de almacenar los datos tanto de usuarios, como de grupos.

### Domain Model

Type:	Package
Status:	Proposed. Version . Phase 1.0.
Package:	Model
Detail:	<i>Created on 06/03/2014. Last modified on 06/03/2014</i>
GUID:	{7449A24E-2F30-4fed-B835-C9A74908A4AD}

### Class Model

Type:	Package
Status:	Proposed. Version . Phase 1.0.
Package:	Model
Detail:	<i>Created on 06/03/2014. Last modified on 06/03/2014</i>
GUID:	{BC0628FC-32B9-4579-92AC-C6D08A0EEA28}

### System

Type:	Package
Status:	Proposed. Version 1.0. Phase 1.0.

**Package:** Class Model  
**Detail:** Created on 19/11/2005. Last modified on 19/11/2005  
**GUID:** {FF5EFA81-007F-42d3-87DE-BD3E8DAAE754}

**System - (Class diagram)**  
**Created By:** María on 20/11/2005  
**Last Modified:** 07/03/2014  
**Version:** 1.0. **Locked:** False  
**GUID:** {4D9C185A-21D9-4512-BF6B-20070A4406A3}

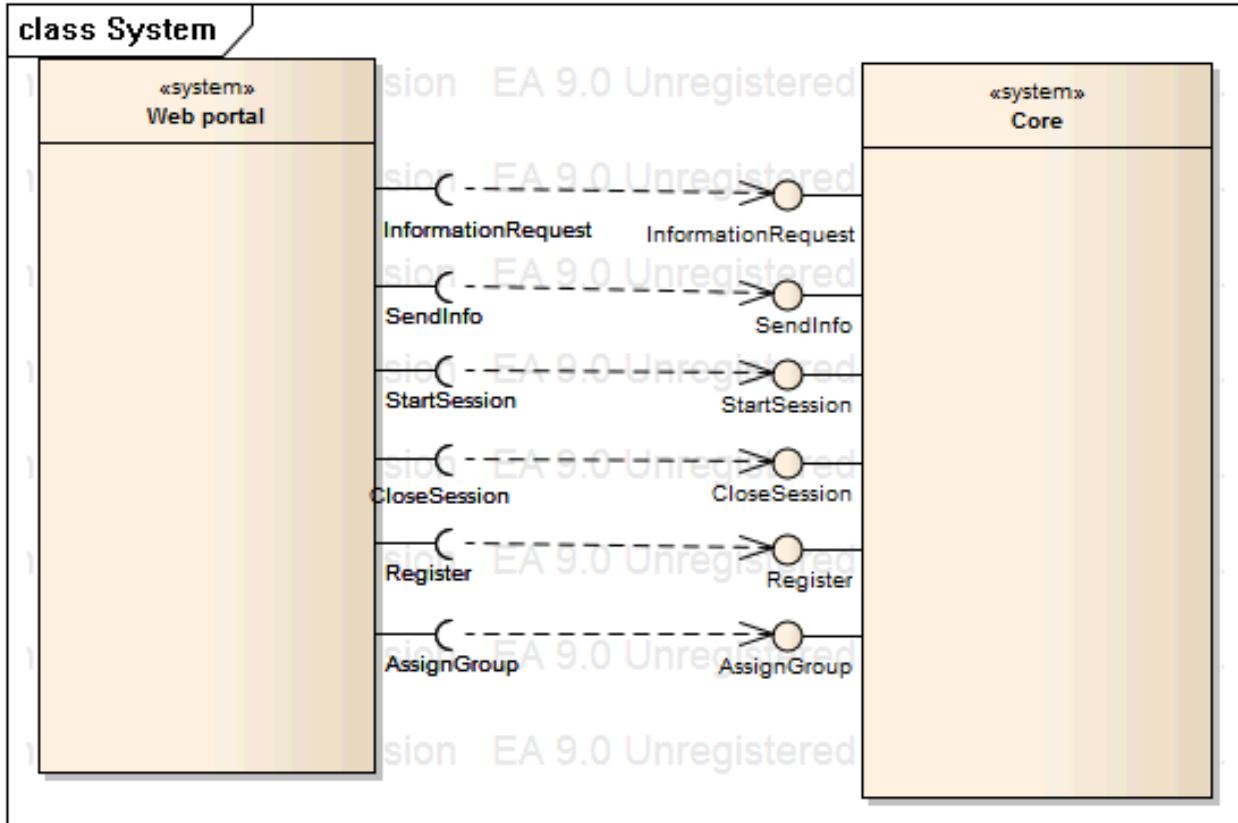


Figure: 2

## Core

**Type:** Class  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** System **Keywords:**  
**Detail:** Created on 06/03/2014. Last modified on 07/03/2014.  
**GUID:** {BC81E61B-6341-42f6-B17E-8AFA8A2BEAE3}

Subsistema correspondiente al sistema central del portal.

## Custom Properties

- isActive = False

***Embedded Elements***

<b>Element</b>	<b>Detail</b>	<b>Notes</b>
ProvidedInterface AssignGroup	Version: 1.0	Recibe una petición para añadir a un usuario a un determinado grupo y la procesa
ProvidedInterface CloseSession	Version: 1.0	Recibe la solicitud de fin de sesión y la procesa.
ProvidedInterface InformationRequest	Version: 1.0	Recibe la petición de información del usuario y la procesa.
ProvidedInterface Register	Version: 1.0	Recibe la solicitud por parte del usuario y la procesa. Añade al nuevo usuario a la base de datos.
ProvidedInterface SendInfo	Version: 1.0	Recibe la información aportada por el usuario y la procesa.
ProvidedInterface StartSession	Version: 1.0	Recibe el inicio de sesión del usuario y lo valida.

***Web portal*****Type:** Class**Status:** Proposed. Version 1.0. Phase 1.0.**Package:** System **Keywords:****Detail:** Created on 06/03/2014. Last modified on 07/03/2014.**GUID:** {D4B77BB2-B356-4390-A2B8-2C1281AFB485}

Subsistema correspondiente a la parte de cliente web.

**Custom Properties**

- isActive = False

***Embedded Elements***

<b>Element</b>	<b>Detail</b>	<b>Notes</b>
RequiredInterface AssignGroup	Version: 1.0	
RequiredInterface CloseSession	Version: 1.0	Un usuario solicita el cierre de su sesión en el portal web.
RequiredInterface InformationRequest	Version: 1.0	Un usuario solicita información a través del navegador web.
RequiredInterface Register	Version: 1.0	Un usuario solicita registrarse en el portal web.
RequiredInterface SendInfo	Version: 1.0	Un usuario aporta información.
RequiredInterface StartSession	Version: 1.0	Un usuario solicita iniciar sesión en el portal Web.

## Component Model

Type: [Package](#)  
 Status: Proposed. Version . Phase 1.0.  
 Package: Model  
 Detail: Created on 06/03/2014. Last modified on 06/03/2014  
 GUID: {F0F029F9-75C5-46cd-948B-36EF6995EB63}

### Component Model - (*Component diagram*)

Created By: María on 19/11/2005  
 Last Modified: 10/03/2014  
 Version: 1.0. [Locked](#): False  
 GUID: {4C850A56-2C25-4c24-860F-7B5E1F6ABA46}

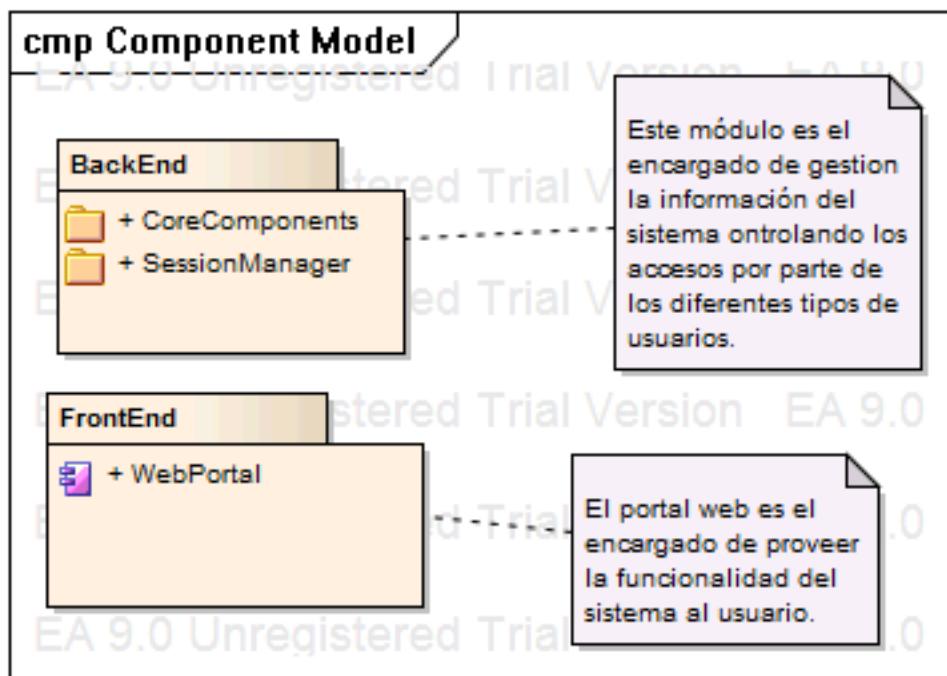


Figure: 3

## <anonymous>

Type: [Note](#)  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Component Model [Keywords](#):  
 Detail: Created on 10/03/2014. Last modified on 10/03/2014.  
 GUID: {3B50606A-1BF1-443b-BD1A-74199B76EA7A}

Este módulo es el encargado de gestion la información del sistema ontrolando los accesos por parte de los diferentes tipos de usuarios.

## [Connections](#)

Connector	Source	Target	Notes
<b>NoteLink</b> Source -> Destination	Public BackEnd	Public <anonymous>	

## <anonymous>

<i>Type:</i>	<b>Note</b>
<i>Status:</i>	Proposed. Version 1.0. Phase 1.0.
<i>Package:</i>	Component Model
<i>Detail:</i>	<i>Created on 10/03/2014. Last modified on 10/03/2014.</i>
<i>GUID:</i>	{875214C7-0FAE-48fa-960F-E344986B35AC}

El portal web es el encargado de proveer la funcionalidad del sistema al usuario.

### Connections

Connector	Source	Target	Notes
<b>NoteLink</b> Source -> Destination	Public FrontEnd	Public <anonymous>	

## BackEnd

<i>Type:</i>	<b>Package</b>
<i>Status:</i>	Proposed. Version 1.0. Phase 1.0.
<i>Package:</i>	Component Model
<i>Detail:</i>	<i>Created on 06/03/2014. Last modified on 07/03/2014</i>
<i>GUID:</i>	{8DF1FE75-012A-4779-9BA4-2423249D5268}

Muestra los principales componentes del Core.

### BackEnd - (Component diagram)

<i>Created By:</i>	Raúl Estrada on 07/03/2014
<i>Last Modified:</i>	07/03/2014
<i>Version:</i>	1.0. <i>Locked:</i> False
<i>GUID:</i>	{CF9E22D7-1E1E-40ce-B27C-D4892C0167B0}

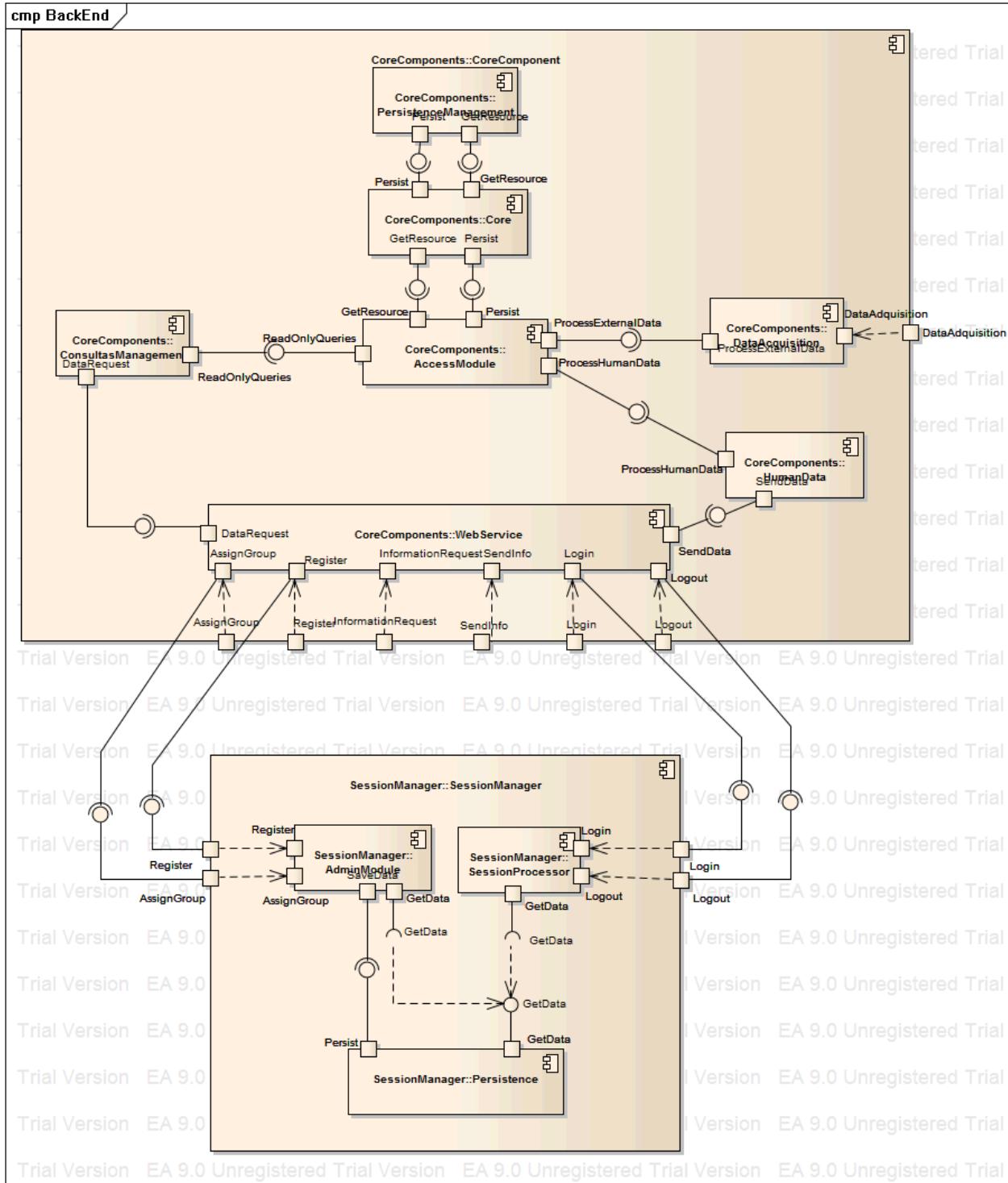


Figure: 4

## *CoreComponents*

*Type:* Package

*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* BackEnd  
*Detail:* Created on 07/03/2014. Last modified on 07/03/2014  
*GUID:* {8E2473BA-F59D-479c-AC73-E21D3C0B383B}

### CoreComponents - (Component diagram)

*Created By:* Raúl Estrada on 07/03/2014  
*Last Modified:* 07/03/2014  
*Version:* 1.0. *Locked:* False  
*GUID:* {20B2E3EE-2D25-470c-B6F1-8F6CFB9341DC}

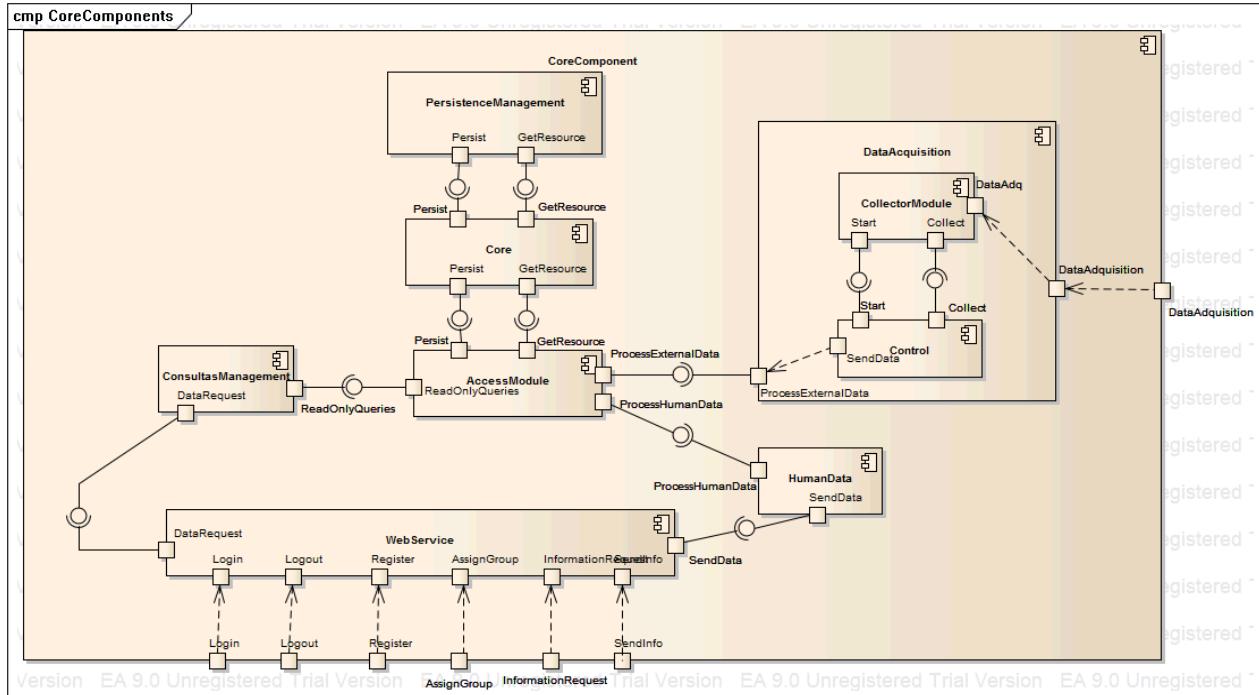


Figure: 5

### CoreComponent

*Type:* Component  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* CoreComponents *Keywords:*  
*Detail:* Created on 06/03/2014. Last modified on 10/03/2014.  
*GUID:* {12758317-6475-41fc-99FF-DC1A3FC58B04}

Es el encargado de gestionar la información y el acceso a los recursos proveidos por el sistema. Lo realiza a través de un WebService como interfaz controlando el acceso de los usuarios.

### Custom Properties

- isIndirectlyInstantiated = True

***Connections***

<b>Connector</b>	<b>Source</b>	<b>Target</b>	<b>Notes</b>
<b>Dependency</b> Source -> Destination	Public CoreComponent	Public SendInfo	

***Embedded Elements***

<b>Element</b>	<b>Detail</b>	<b>Notes</b>
Port AssignGroup	Version: 1.0	
Port DataAdquisition	Version: 1.0	
Port InformationRequest	Version: 1.0	
Port Login	Version: 1.0	
Port Logout	Version: 1.0	
Port Register	Version: 1.0	
Port SendInfo	Version: 1.0	

**AccessModule****Type:****Component****Status:** Proposed. Version 1.0. Phase 1.0.**Package:**

CoreComponents

**Keywords:****Detail:**

Created on 06/03/2014. Last modified on 07/03/2014.

**GUID:**

{53F701E4-D013-4210-80B3-9B775EF10AAA}

Módulo que recibe las peticiones de acceso o modificación de información y comprueba los permisos para ver si el usuario puede realizar dicha acción.

Este componente pide al componente Core el recurso al que se intenta acceder, y una vez lo recibe, comprueba si el usuario tiene privilegios para acceder a éste.

***Custom Properties***

- isIndirectlyInstantiated = True

***Embedded Elements***

<b>Element</b>	<b>Detail</b>	<b>Notes</b>
Port GetResource	Version: 1.0	
Port Persist	Version: 1.0	
Port ProcessExternalData	Version: 1.0	
Port ProcessHumanData	Version: 1.0	

Element	Detail	Notes
Port ReadOnlyQueries	Version: 1.0	

## ConsultasManagement

**Type:** **Component**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** CoreComponents **Keywords:**  
**Detail:** Created on 06/03/2014. Last modified on 06/03/2014.  
**GUID:** {E07F7996-280C-499e-BECA-D15F76BB0B70}

Módulo que gestiona las consultas de información por parte del portal web.

### Custom Properties

- isIndirectlyInstantiated = True

### Embedded Elements

Element	Detail	Notes
Port DataRequest	Version: 1.0	
Port ReadOnlyQueries	Version: 1.0	

## Core

**Type:** **Component**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** CoreComponents **Keywords:**  
**Detail:** Created on 07/03/2014. Last modified on 07/03/2014.  
**GUID:** {3C989297-A83C-4172-ACB0-2A5A2A1B7E63}

### Custom Properties

- isIndirectlyInstantiated = True

### Embedded Elements

Element	Detail	Notes
Port GetResource	Version: 1.0	
Port GetResource	Version: 1.0	
Port Persist	Version: 1.0	

Element	Detail	Notes
Port Persist	Version: 1.0	

## DataAcquisition

Type:

**Component**

Status:

Proposed. Version 1.0. Phase 1.0.

Package:

CoreComponents

**Keywords:**

Detail:

Created on 06/03/2014. Last modified on 08/03/2014.

GUID:

{B4D9315F-05F0-4af4-9E66-9C020FFA72DC}

Obtiene y procesa los datos obtenidos de fuentes externas.

### Custom Properties

- isIndirectlyInstantiated = True

## Embedded Elements

Element	Detail	Notes
Port DataAdquisition	Version: 1.0	
Port ProcessExternalData	Version: 1.0	

## CollectorModule

Type:

**Component**

Status:

Proposed. Version 1.0. Phase 1.0.

Package:

CoreComponents

**Keywords:**

Detail:

Created on 07/03/2014. Last modified on 07/03/2014.

GUID:

{83EEDC8E-01FB-40c9-8BE0-F74955B0A32A}

### Custom Properties

- isIndirectlyInstantiated = True

## Embedded Elements

Element	Detail	Notes
Port Collect	Version: 1.0	
Port DataAdq	Version: 1.0	
Port Start	Version: 1.0	

## Control

Type:	Component
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	CoreComponents
Detail:	Created on 07/03/2014. Last modified on 07/03/2014.
GUID:	{22940380-3F2A-404c-B025-E2AC200CEF6A}

## Custom Properties

- isIndirectlyInstantiated = True

## Embedded Elements

Element	Detail	Notes
Port Collect	Version: 1.0	
Port SendData	Version: 1.0	
Port Start	Version: 1.0	

## HumanData

Type:	Component
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	CoreComponents
Detail:	Created on 06/03/2014. Last modified on 06/03/2014.
GUID:	{F027F137-B4F7-4053-BB3B-EC717A824F0B}

Módulo que se encarga de procesar los datos que aportan los usuarios.

## Custom Properties

- isIndirectlyInstantiated = True

## Embedded Elements

Element	Detail	Notes
Port ProcessHumanData	Version: 1.0	
Port SendData	Version: 1.0	

## PersistenceManagement

<b>Type:</b>	<b>Component</b>
<b>Status:</b>	Proposed. Version 1.0. Phase 1.0.
<b>Package:</b>	CoreComponents
<b>Detail:</b>	<i>Created on 06/03/2014. Last modified on 07/03/2014.</i>
<b>GUID:</b>	{DB82B3F5-9B0A-481b-BC13-9C7B675D8F85}

Componente que se comunica con la base de datos de los recursos directamente.

#### Custom Properties

- isIndirectlyInstantiated = True

#### Embedded Elements

Element	Detail	Notes
Port GetResource	Version: 1.0	
Port Persist	Version: 1.0	

## WebService

<b>Type:</b>	<b>Component</b>
<b>Status:</b>	Proposed. Version 1.0. Phase 1.0.
<b>Package:</b>	CoreComponents
<b>Detail:</b>	<i>Created on 06/03/2014. Last modified on 10/03/2014.</i>
<b>GUID:</b>	{C19B9FD1-B5DD-4d15-B895-2454298981C9}

Es el servicio Web que se encargará de comunicar todas las entradas y salidas a este módulo. La tecnología utilizada será WCF de Microsoft.

#### Custom Properties

- isIndirectlyInstantiated = True

#### Connections

Connector	Source	Target	Notes
<b>Dependency</b> Source -> Destination	Public WebService	Public DataAggregation	
<b>Dependency</b> Source -> Destination	Public WebService	Public Consultas	

#### Embedded Elements

Element	Detail	Notes
Port AssignGroup	Version: 1.0	

Element	Detail	Notes
Port DataRequest	Version: 1.0	
Port InformationRequest	Version: 1.0	
Port Login	Version: 1.0	
Port Logout	Version: 1.0	
Port Register	Version: 1.0	
Port SendData	Version: 1.0	
Port SendInfo	Version: 1.0	

## SessionManager

**Type:** **Package**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** BackEnd  
**Detail:** *Created on 07/03/2014. Last modified on 07/03/2014*  
**GUID:** {71555013-EA42-40a8-8BEE-331C70A47087}

### SessionManager - (Component diagram)

**Created By:** Raúl Estrada on 07/03/2014  
**Last Modified:** 07/03/2014  
**Version:** 1.0. **Locked:** False  
**GUID:** {29D6337D-852E-4313-912D-F10B714CB1E4}

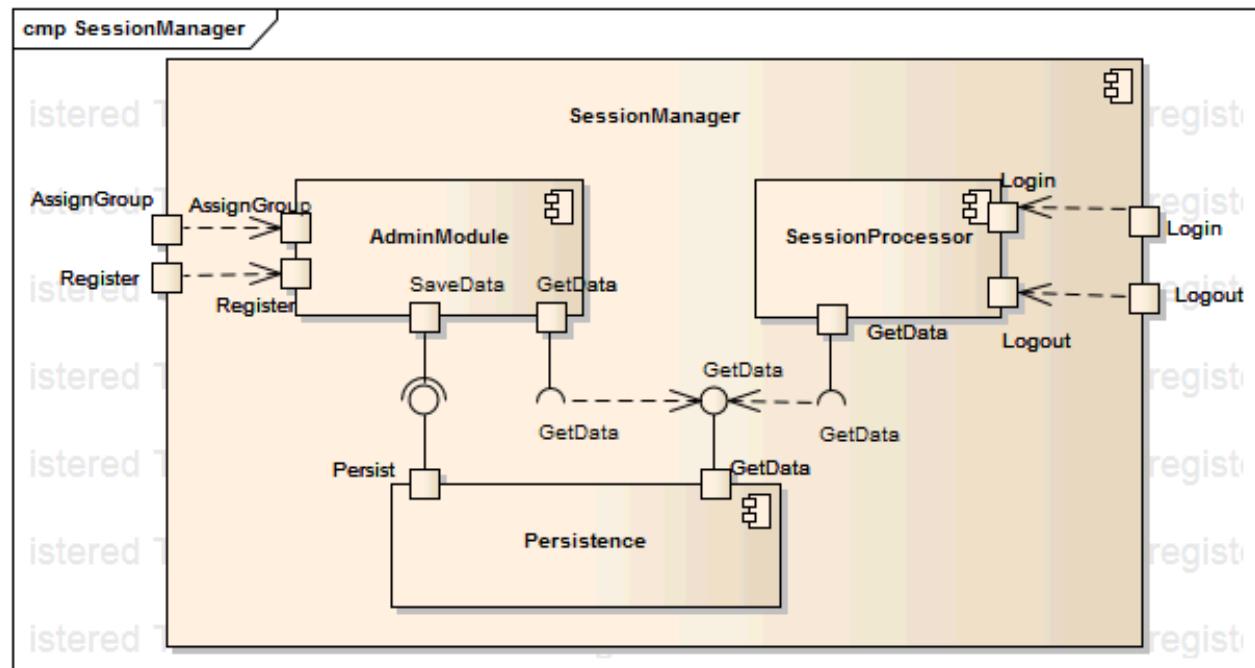


Figure: 6

## SessionManager

Type:	<b>Component</b>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	SessionManager <i>Keywords:</i>
Detail:	<i>Created on 07/03/2014. Last modified on 10/03/2014.</i>
GUID:	{FFFC899B-1CF9-4d37-91F4-05A629AC695E}

Componente que se encarga de la gestión de sesión de usuario, así como la gestión de los propios usuarios.

### Custom Properties

- isIndirectlyInstantiated = True

### Embedded Elements

Element	Detail	Notes
Port AssignGroup	Version: 1.0	
Port Login	Version: 1.0	
Port Logout	Version: 1.0	
Port Register	Version: 1.0	

## AdminModule

Type:	<b>Component</b>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	SessionManager <i>Keywords:</i>
Detail:	<i>Created on 07/03/2014. Last modified on 07/03/2014.</i>
GUID:	{65CF88E9-E41D-4873-AE04-2F6B011C15BC}

El módulo de administración que permite, con privilegios de administración, gestionar usuarios y grupos.

### Custom Properties

- isIndirectlyInstantiated = True

### Embedded Elements

Element	Detail	Notes
Port AssignGroup	Version: 1.0	
Port GetData	Version: 1.0	

Element	Detail	Notes
Port Register	Version: 1.0	
Port SaveData	Version: 1.0	

## Persistence

**Type:** **Component**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** SessionManager **Keywords:**  
**Detail:** *Created on 07/03/2014. Last modified on 07/03/2014.*  
**GUID:** {FC290938-A9B8-4cdd-A0C9-20964C66FD26}

Componente que accede a la base de datos con la información de los usuarios y grupos.

### Custom Properties

- isIndirectlyInstantiated = True

## Embedded Elements

Element	Detail	Notes
Port GetData	Version: 1.0	
Port Persist	Version: 1.0	

## SessionProcessor

**Type:** **Component**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** SessionManager **Keywords:**  
**Detail:** *Created on 07/03/2014. Last modified on 07/03/2014.*  
**GUID:** {F89C5B71-8DF6-42a9-BD96-4C8EA9C2A6FB}

Componente que se encarga de la gestión de sesiones

### Custom Properties

- isIndirectlyInstantiated = True

## Embedded Elements

Element	Detail	Notes
Port GetData	Version: 1.0	
Port Login	Version: 1.0	

Element	Detail	Notes
Port Logout	Version: 1.0	

## FrontEnd

**Type:** **Package**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Component Model  
**Detail:** Created on 06/03/2014. Last modified on 07/03/2014  
**GUID:** {A2FDF707-7D2B-4dec-A182-68B8240DD563}  
 Muestra los principales componentes del portal web.

### WebPortalComponents - (Component diagram)

**Created By:** Raúl Estrada on 06/03/2014  
**Last Modified:** 07/03/2014  
**Version:** 1.0. **Locked:** False  
**GUID:** {87CADC92-093B-460c-B27F-B812B7790950}

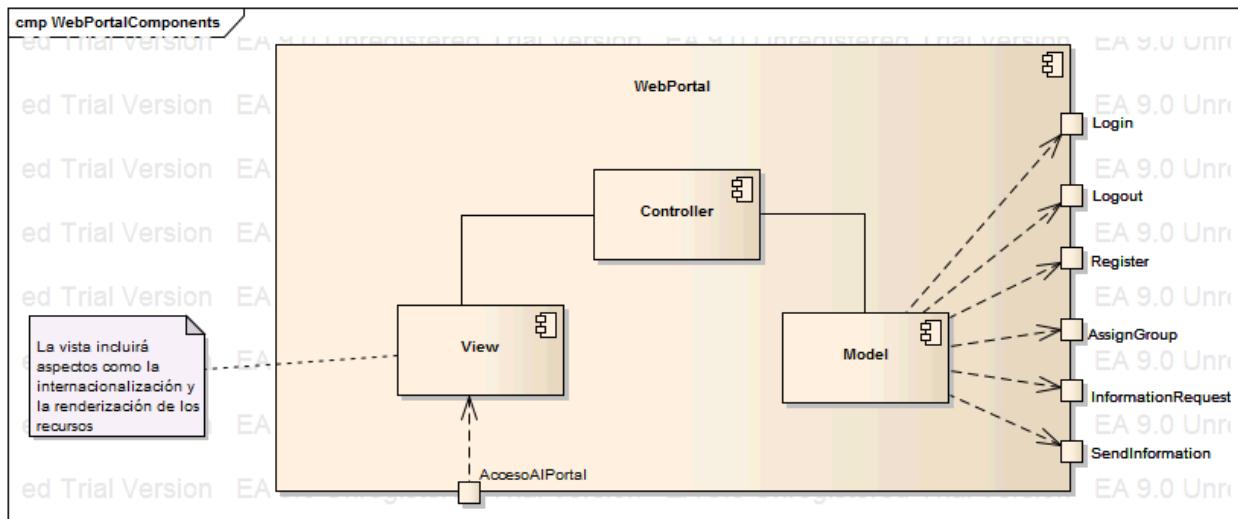


Figure: 7

## WebPortal

**Type:** **Component**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** FrontEnd **Keywords:**  
**Detail:** Created on 07/03/2014. Last modified on 07/03/2014.  
**GUID:** {144E923F-FF9E-48fd-9473-EE1725902B63}

Es el FrontEnd del sistema. Ofrecerá la página web y usa el patrón MVC.

### Custom Properties

- isIndirectlyInstantiated = True

***Embedded Elements***

Element	Detail	Notes
Port AccesoAlPortal	Version: 1.0	
Port AssignGroup	Version: 1.0	
Port InformationRequest	Version: 1.0	
Port Login	Version: 1.0	
Port Logout	Version: 1.0	
Port Register	Version: 1.0	
Port SendInformation	Version: 1.0	

**Controller****Type:** Component**Status:** Proposed. Version 1.0. Phase 1.0.**Package:** FrontEnd Keywords:**Detail:** *Created on 07/03/2014. Last modified on 07/03/2014.***GUID:** {38A03825-1CDA-451d-B214-C461BA7F70A5}

Es el módulo que gestiona o administra la navegabilidad, así como de instanciar y llamar a elementos del modelo para obtener resultados de la lógica de negocio.

**Custom Properties**

- isIndirectlyInstantiated = True

**Connections**

Connector	Source	Target	Notes
<u>Association</u> Unspecified	Public Controller	Public Model	
<u>Association</u> Unspecified	Public Controller	Public View	

**Model****Type:** Component**Status:** Proposed. Version 1.0. Phase 1.0.**Package:** FrontEnd Keywords:**Detail:** *Created on 07/03/2014. Last modified on 07/03/2014.***GUID:** {946727F2-6373-4fe8-8E1D-61FDAA3193F3}

Componente que se encarga de la lógica de negocio y el acceso a datos.

#### Custom Properties

- isIndirectlyInstantiated = True

#### *Connections*

Connector	Source	Target	Notes
<b>Association</b> Unspecified	Public Controller	Public Model	
<b>Dependency</b> Source -> Destination	Public Model	Public Login	
<b>Dependency</b> Source -> Destination	Public Model	Public Logout	
<b>Dependency</b> Source -> Destination	Public Model	Public Register	
<b>Dependency</b> Source -> Destination	Public Model	Public AssignGroup	
<b>Dependency</b> Source -> Destination	Public Model	Public InformationRequest	
<b>Dependency</b> Source -> Destination	Public Model	Public SendInformation	

#### **View**

Type: **Component**

Status: Proposed. Version 1.0. Phase 1.0.

Package: FrontEnd    **Keywords:**

Detail: Created on 07/03/2014. Last modified on 07/03/2014.

GUID: {5D906AA2-4344-499a-AB32-4951C3F957B0}

Componente que se encarga de la representación en pantalla de los resultados obtenidos a partir de la petición del usuario.

#### Custom Properties

- isIndirectlyInstantiated = True

#### *Connections*

Connector	Source	Target	Notes
<b>Association</b>	Public	Public	

Connector	Source	Target	Notes
Unspecified	Controller	View	
<b>NoteLink</b> Source -> Destination	Public <anonymous>	Public View	
<b>Dependency</b> Source -> Destination	Public AccesoAlPortal	Public View	

## Deployment Model

Type: **Package**  
 Status: Proposed. Version . Phase 1.0.  
 Package: Model  
 Detail: Created on 06/03/2014. Last modified on 06/03/2014  
 G UID: {033EB5CB-291E-41b5-A613-DBCD0CC6C3C5}

### Deployment Model - (Deployment diagram)

Created By: Universidad on 19/11/2005  
 Last Modified: 10/03/2014  
 Version: 1.0. Locked: False  
 G UID: {4B46B837-5B7B-4966-9A3F-268578D01548}

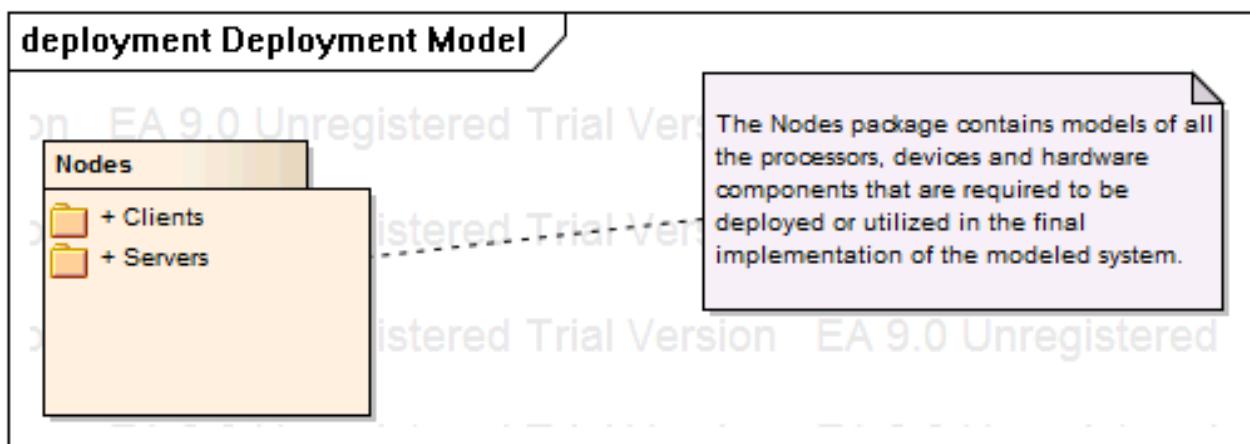


Figure: 8

## <anonymous>

Type: **Note**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Deployment Model    **Keywords:**  
 Detail: Created on 05/01/2006. Last modified on 05/01/2006.  
 G UID: {C5EAC565-2A82-4947-8955-7619389C5E7E}

The Nodes package contains models of all the processors, devices and hardware components that are required to be deployed or utilized in the final implementation of the modeled system.

### Connections

Connector	Source	Target	Notes
NoteLink	Public Nodes	Public <anonymous>	

### Nodes

**Type:** **Package**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Deployment Model  
**Detail:** Created on 05/01/2006. Last modified on 05/01/2006  
**GUID:** {8EE3976D-27DF-4ccc-8031-C9BF861492DF}

#### Nodes - (Deployment diagram)

**Created By:** Raúl Estrada on 11/01/2006  
**Last Modified:** 10/03/2014  
**Version:** 1.0. **Locked:** False  
**GUID:** {EA4D4FF3-E537-4c5d-952C-45248FA3DA48}

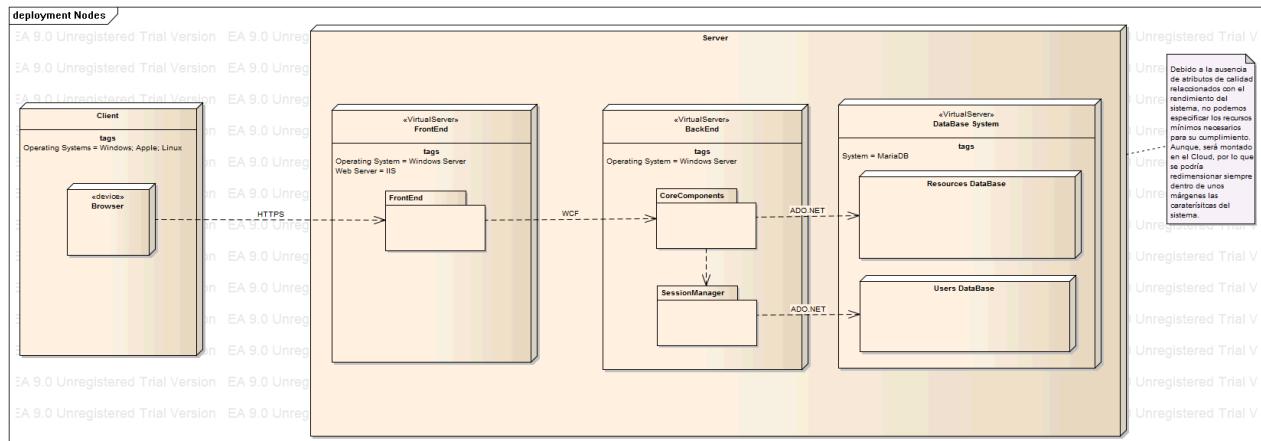


Figure: 9

### <anonymous>

**Type:** **Note**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Nodes **Keywords:**  
**Detail:** Created on 10/03/2014. Last modified on 10/03/2014.  
**GUID:** {823958BB-1349-428e-816E-EA4194E2BBE}

Debido a la ausencia de atributos de calidad relacionados con el rendimiento del sistema, no podemos especificar los recursos mínimos necesarios para su cumplimiento. Aunque, será montado en el Cloud, por lo que se podría redimensionar siempre dentro de unos márgenes las características del sistema.

***Connections***

Connector	Source	Target	Notes
<b>NoteLink</b> Source -> Destination	Public <anonymous>	Public Server	

***Clients***

**Type:** **Package**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Nodes  
**Detail:** *Created on 20/11/2005. Last modified on 05/01/2006*  
**GUID:** {2A604DE9-12CA-4f82-8E11-15BAB643BD2B}

**Client**

**Type:** **Node**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Clients **Keywords:**  
**Detail:** *Created on 07/03/2014. Last modified on 10/03/2014.*  
**GUID:** {558B6C9D-01F9-443f-BCA2-E67874BF99D7}

**Custom Properties**

- isExecutionEnvironment = False

**Tagged Values**

- Operating Systems = Windows; Apple; Linux.

**Browser**

**Type:** **Device**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Clients **Keywords:**  
**Detail:** *Created on 07/03/2014. Last modified on 07/03/2014.*  
**GUID:** {E4B8F63F-B9A8-4d98-9ECA-0DA3744060A8}

**Custom Properties**

- isExecutionEnvironment = False

***Connections***

Connector	Source	Target	Notes
<b>Dependency</b> HTTPS Source -> Destination	Public Browser	Public FrontEnd	

**Servers**

Type:	<b>Package</b>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Nodes
Detail:	<i>Created on 10/03/2014. Last modified on 10/03/2014</i>
GUID:	{4E3FDBD0-06F1-4fb2-ABB1-BC8F5364D7EA}

**Server**

Type:	<b>Node</b>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Servers <b>Keywords:</b>
Detail:	<i>Created on 10/03/2014. Last modified on 10/03/2014.</i>
GUID:	{ADE78A5D-4AE7-4050-B2AC-87432A19D7DD}

***Custom Properties***

- isExecutionEnvironment = False

***Connections***

Connector	Source	Target	Notes
<b>NoteLink</b> Source -> Destination	Public <anonymous>	Public Server	

**DataBaseSystems**

Type:	<b>Device</b>
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	Servers <b>Keywords:</b>
Detail:	<i>Created on 10/03/2014. Last modified on 10/03/2014.</i>
GUID:	{D9D88613-D6D5-4767-B218-65C4117BBDCA}

***Custom Properties***

**Custom Properties**

- isExecutionEnvironment = False

## BackEnd

Type: Node

Status: Proposed. Version 1.0. Phase 1.0.

Package: Servers    *Keywords:*

Detail: *Created on 07/03/2014. Last modified on 10/03/2014.*

GUID: {2DA5768C-8776-45d4-AA16-74CBA5B09E0F}

**Custom Properties**

- isExecutionEnvironment = False

**Tagged Values**

- Operating System = Windows Server.

## DataBase System

Type: Node

Status: Proposed. Version 1.0. Phase 1.0.

Package: Servers    *Keywords:*

Detail: *Created on 10/03/2014. Last modified on 10/03/2014.*

GUID: {7185F93F-EFDF-4762-ACDA-CCA0C5B8DDDB}

**Custom Properties**

- isExecutionEnvironment = False

**Tagged Values**

- System = MariaDB.

## FrontEnd

Type: Node

Status: Proposed. Version 1.0. Phase 1.0.

Package: Servers    *Keywords:*

*Detail:* Created on 07/03/2014. Last modified on 10/03/2014.  
*GUID:* {1270F5E5-C9CF-486e-B4B3-C3EBFF072962}

### Custom Properties

- isExecutionEnvironment = False

### Tagged Values

- Operating System = Windows Server.
- Web Server = IIS.

## Resources DataBase

*Type:* **Node**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Servers *Keywords:*  
*Detail:* Created on 07/03/2014. Last modified on 10/03/2014.  
*GUID:* {72787713-7228-427b-9376-038CEBC72498}

### Custom Properties

- isExecutionEnvironment = False

### Connections

Connector	Source	Target	Notes
<b>Dependency</b> ADO.NET Source -> Destination	Public CoreComponents	Public Resources DataBase	

## Users DataBase

*Type:* **Node**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Servers *Keywords:*  
*Detail:* Created on 07/03/2014. Last modified on 10/03/2014.  
*GUID:* {755BFDEA-C6B4-493a-8CC4-164F434B1149}

### Custom Properties

**Custom Properties**

- isExecutionEnvironment = False

**Connections**

Connector	Source	Target	Notes
<b>Dependency</b> ADO.NET Source -> Destination	Public SessionManager	Public Users DataBase	