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Question

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## Send messages from Dicom Process to multiple Operations

Hello, good morning

First thank you for your time in reading and answering our question.

We have been reading, inquiring, researching about how to make multiple dispatches from 1 Process of type "DICOM.BP.QueryProcess" to several target Operations.

We need some help to further develop this use case, and some advice , examples or recommendations

Currently we are using the basic example, the one that includes Ensemble, and this has DICOM Process which has a property by which from Web Production we write to which Operation it sends our FIND/QUERY/RETRIEVE messages:

Procesos.DICOM.VNAtoPACSIimagenesMedica

ConfiguraciónColaLogMensajesProcesosAcciones

Aplicar▼📄Buscar:

▼ Parámetros adicionales

Programación

🔍

Tamaño de grupo

1

OperationDuplexName

Operaciones.DICOM.VNAtoPACSAPSSCCv01r0

NombreProcesoTSI

ConsultaMSGC002

Acciones del código de respuesta

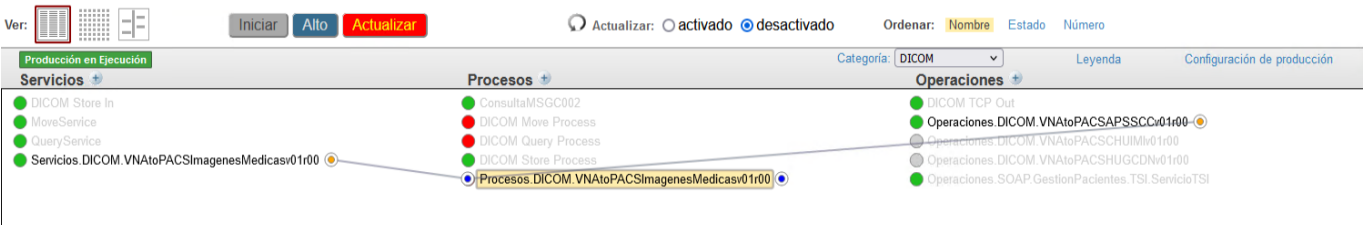
Intervalo de reintento

5

Tiempo de espera para error

15

The circuit is shown graphically:



Being in the code the property a simple String:

```

DICOM.BS.QueryService.cls | DICOM.BP.QueryProcess.cls | EnsLib.DICOM.Document.cls | DICOM.Msg.QueryReq.cls | EnsLib.DICOM.Operation.TCP.cls | EnsLib.DICOM.Duplex.TCP.cls | DICOM.BS.MoveService.cls
/// This parameter names the operation used to provide storage
/// Añadimos 22/03/2022 ""NombreProcesoTSI""
///
Parameter SETTINGS = "OperationDuplexName,NombreProcesoTSI";

/// This keeps track of the OriginatingMessageID
Property OriginatingMessageID As %Integer;

/// This is the incoming document from the business Sservice
Property DocumentFromService As EnsLib.DICOM.Document;

/// This keeps track of the current state of the process
Property CurrentState As %String [ InitialExpression = "OperationNotConnected" ];

/// This is the name of the operation providing storage
Property OperationDuplexName;

/// Añadimos 22/03/2022 para conocer cual es el Servicio Origen que envia la Peticion al Proceso DICOM
///
Property NombreServicioOrigen;

/// Añadimos 22/03/2022 para Consultar a Tarjeta Sanitaria enviando Expediente obtenemos N°s de Historia Clinica
///

```

So, the code is:

```

Parameter SETTINGS = "OperationDuplexName
,[... otras settings que pudieran haber ...]";

/// This is the name of the operation providing storage
Property OperationDuplexName;

```

Being the property where we indicate the Operation with which we link this Process, called: "OperationDuplexName".

Which way, form, mechanism, means, or procedure could be elaborated, used, reused or constructed, so that a PROCESS of the type "DICOM.BP.QueryProcess", can have different destination operations?

Thank you very much for reading, answering and assisting us.

Thank you for your time

Specifically our use case is:

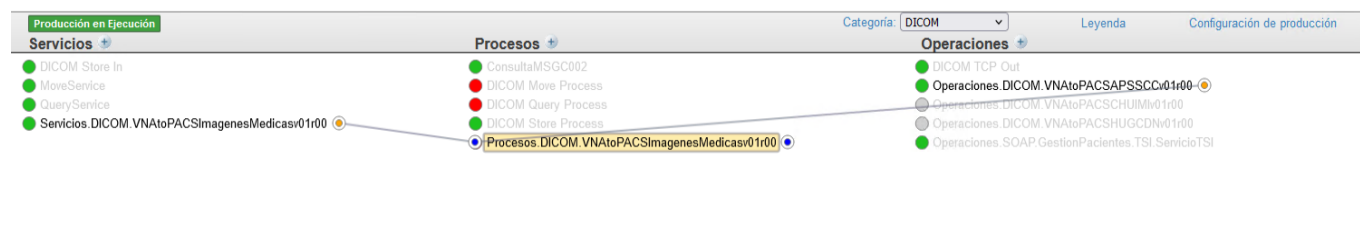
"Procesos.DICOM.VNAtoPACSIImagenesMedicasv01r00" sends by default, the query to "Operaciones.DICOM.VNAtoPACSAPSSCCv01r00".

if the first invocation of the first RISPAC is not available, the flow must continue for the next one: "Operaciones.DICOM.VNAtoPACSHUIMlv01r00"

The same for the following:

"Operaciones.DICOM.VNAtoPACSHUGCDNv01r00"

We would need to somehow link our dicom Process with the 3 TCP dicom Operations:



How would you plan, build or perform it?

What mechanism would support us to send from 1 single process to 3 operations?

Which way, form, mechanism, means, or procedure could be elaborated, used, reused or built, so that a PROCESS of the type "DICOM.BP.QueryProcess", can have different target operations ?

We have read and searched on:

<https://docs.intersystems.com/latest/csp/docbook/DocBook.UI.Page.cls?KEY...>

<https://docs.intersystems.com/latest/csp/docbook/DocBook.UI.Page.cls?KEY...>

<https://community.intersystems.com/post/how-implement-dimse-timeout-dico...>

[https://docs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cls?....](https://docs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cls?...)

<https://docs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cls?...>

<https://docs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cls?...>

Your indications, orders, explanations , support and recommendations are appreciated.

Best regards

[#Code Snippet](#) [#HealthShare](#)

Product version: HealthShare 2017.2

\$ZV: Cache for UNIX (Red Hat Enterprise Linux for x86-64) 2017.2.1 (Build 801318358U) Tue Jul 24 2018 16:36:10 EDT

Source URL: <https://community.intersystems.com/post/send-messages-dicom-process-multiple-operations>