

1. LISTRESERVATIONS

Operation	<i>GetData(ListReservationsParam)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This function retrieves the reserved Recip-e identifiers and their reservation dates. The request contains a start date: only reservations after this start date are included in the response. The SDK maintains a list of previous returned reservations (RID + reservation date) in a directory which is configurable. The statuses of the linked prescriptions are not modified by calling this operation.</i>			
Errors	<i>IntegrationModuleException</i>			
Input Integration Module	Response-entity	Attribute	Type	Description
	<i>ListReservationsParam</i>	<i>startDate</i>	<i>Calendar</i>	<i>Only reservations after the startDate are returned</i>
		<i>page(optional)</i>	<i>Page</i>	<i>The page to return. (by default: the last previous 12 months). This field is currently ignored by the</i>
	<i>Page</i>	<i>month</i>	<i>int</i>	<i>The month of interest</i>
		<i>year</i>	<i>int</i>	<i>The year of interest</i>
		<i>pageNumber</i>	<i>int</i>	<i>The pagination number</i>
		<i>context</i>	<i>byte[]</i>	<i>The session context</i>
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>ListReservationsResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
		<i>items</i>	<i>List < ListReservationsResultItem ></i>	<i>List of ListReservationsResultItem-objects</i>
		<i>context</i>	<i>byte[]</i>	<i>The session context</i>

	<i>ListReservationsResultItem</i>	<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>executorId</i>	<i>String</i>	<i>The executor identifier</i>
		<i>creationDateReservation</i>	<i>Calendar</i>	<i>The creationdate of the reservation</i>
		<i>lastUpdateReservation</i>	<i>Calendar</i>	<i>The lastupdate of the reservation</i>
		<i>Prescription</i>	<i>GetOpenPrescriptionForExecutor</i>	<i>The prescription without the proof</i>
		<i>creationDate</i>	<i>Calendar</i>	<i>The creationdate of the prescription</i>
		<i>expirationDate</i>	<i>Calendar</i>	<i>The expirationdate of the prescription</i>
		<i>prescriptionStatus</i>	<i>PrescriptionStatus</i>	<i>The prescription status</i>
		<i>patientId</i>	<i>String</i>	<i>The patient identifier</i>
		<i>prescriberId</i>	<i>String</i>	<i>The prescriber identifier</i>
		<i>emailAddress</i>	<i>String</i>	<i>The email address</i>
		<i>telephoneNumber</i>	<i>String</i>	<i>The telephone number</i>
		<i>contactPreference</i>	<i>contactPreference</i>	<i>The preferred contact. (possible values are defined in the recipe-core.xsd file under the simpleType: contactPreference)</i>
	<i>GetOpenPrescriptionForExecutor</i>	<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>creationDate</i>	<i>Calendar</i>	<i>The moment of creation</i>

		<i>patientId</i>	String	<i>The patient identifier</i>
		<i>feedbackAllowed</i>	Boolean	<i>Flag indicating if feedback is allowed for this prescription</i>
		<i>prescription</i>	Byte[]	<i>The prescriptionbytes</i>
		<i>prescriptionType</i>	String	<i>The prescription type (P0 or P1)</i>
		<i>encryptionKeyId</i>	String	<i>The encryption key</i>
		<i>timestampingId</i>	String	<i>The timestamping identifier</i>
		<i>prescriberId</i>	String	<i>The prescriber identifier</i>
		<i>expirationDate</i>	Calendar	<i>The expiration date</i>
	<i>StatusType</i>	<i>statusCode</i>	String	100: ok 300: error occurred
		<i>code</i>	String	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
Implementation details		<i>message</i>	String	<i>The error message</i>
		<i>statusUpdater</i>	String	<i>The last statusupdater in case an operation is not permitted</i>
<p> a) Validate session validity b) The SDK reads the <i>startDate</i> from a property file and uses this as the <i>startDate</i> in the request c) Build an encrypted request based on the <i>ListReservationsParam</i>-object d) Send the request and receive the response e) Validates the response status f) Unseal the response with the symmetric key from the request g) Store the reservations to a cache folder h) Store the <i>startDate</i> in a cache file (in order to be used in a subsequent call) </p> <ul style="list-style-type: none"> To decrypt the result multi-threaded, call the decryptListReservationsResult-operation. 				

2. PUTRIDSINPROCESS

Operation Name	PutData(PutRidsInProcessParam)			
Class Name	ExecutorIntegrationModuleV4			
Description	<p>This function sets a list of prescriptions in status InProcess. The request is limited to process 10 RIDs in one request. The response returns the set of RIDs and their actual status. If the status in the response is not the expected InProcess-status, this means that a problem occurred to update the RID to this status. An example response could be:</p> <pre>{ (RID1, InProcess, statusUpdater1), (RID2, Archived, statusUpdater2) }</pre> <ul style="list-style-type: none"> As RID1 has the status InProcess, this update took place correctly. The statusUpdater is the person who called the PutRidsInProcess-operation. As RID2 has the status Archived, the update to status InProcess could not take place and the operation will return the actual status from the prescription. The statusUpdater is the person who archived the prescription. 			
Errors	IntegrationModuleException			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	PutRidsInProcessParam	rids	List<String>	The Recip-e identifiers to put in process
Output Integration Module	Response-entity	Attribute	Type	Description
	PutRidsInProcessResult	status	StatusType	Contains the statusType
		items	List	List containing items of type PutRidsInProcessResultItem
	PutRidsInProcessResultItem	rid	String	The Recip-e identifier
		prescriptionStatus	PrescriptionStatus	The prescription status
		statusUpdater	String	The statusUpdater
	StatusType	statusCode	String	100: ok 300: error occurred
		code	String	The technical code of the error message e.g.
		message	String	The error message
		statusUpdater	String	The last statusupdater in case an operation is not
Implementation details	<p>a) Validate session validity b) Build an encrypted request based on the PutRidsInProcessParam-object c) Send the request and receive the response d) Validates the response status e) Unseal the response with the symmetric key from the request f) Return a list of PutRidsInProcessResultItem to the caller</p>			

3. LISTRIDSINPROCESS

Operation Name	GetData(ListRidsInProcessParam)
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Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This function retrieves a list of Recip-e identifiers which have the status "in process". The status of the prescription is not modified by executing this function. The statuses of the prescriptions are not modified by calling this operation.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<i>ListRidsInProgressParam</i>	<i>page(optional)</i>	<i>Page</i>	<i>The page to return. (by default: the last previous 12 months). This field is currently ignored by the</i>
	<i>Page</i>	<i>month</i>	<i>int</i>	<i>The month of interest</i>
		<i>year</i>	<i>int</i>	<i>The year of interest</i>
		<i>pageNumber</i>	<i>int</i>	<i>The pagination number</i>
		<i>context</i>	<i>byte[]</i>	<i>The session context</i>
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>ListRidsInProgressResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
		<i>rids</i>	<i>List<String></i>	<i>The list of Recip-e identifiers</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. prescription not validated</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
Implementation Details	a) <i>Validate session validity</i> b) <i>Build an encrypted request based on the ListRidsInProgressParam-object</i> c) <i>Send the request and receive the response</i> d) <i>Validates the response status</i> e) <i>Unseal the response with the symmetric key from the request</i> f) <i>Return a ListRidsInProgressResult to the caller</i>			

4. GETPRESCRIPTIONSTATUS

Operation Name	getData(GetPrescriptionStatusParam)			
Class Name	ExecutorIntegrationModuleV4			
Description	<i>This function retrieves the status of <u>one</u> prescription. This operation does not modify the status of the prescription.</i>			
Errors	<i>Technical Services Exception such as Connection failure, Encryption failure Inconsistent Status.</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	GetPrescriptionStatusParam	rid	String	The Recip-e identifier
Output Integration Module	Response-entity	Attribute	Type	Description
	GetPrescriptionStatusResult	status	StatusType	Contains the statusType
		rid	String	The Recip-e identifier
	StatusType	statusCode	String	100: ok 300: error occurred
		code	String	The technical code of the error
		message	String	The error message
		statusUpdater	String	The last statusUpdater in case an operation is not permitted
Implementation Details	<ul style="list-style-type: none"> a) Validate session validity b) Build an encrypted request based on the GetPrescriptionStatusParam-object c) Send the request and receive the response d) Validates the response status e) Unseal the response with the symmetric key from the request f) Return a GetPrescriptionStatusResult to the caller 			

5. LISTRIDSHISTORY

Operation Name	GetData(ListRidsHistoryParam)			
Class Name	ExecutorIntegrationModuleV4			
Description	<i>This function returns a list of RIDs and their actual status for a given patientId. The statuses of the prescriptions are not modified by calling this operation.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	ListRidsHistoryParam	patientId	String	The patient identifier
		activeResults	Boolean	Flag indicating to return active or historical prescriptions

		<i>breakTheGlass</i>	<i>breakTheGlass</i>	<i>breakTheGlass type is defined in UnsealedExecutorServicesV4_schema1</i>
		<i>page(optional)</i>	<i>Page</i>	<i>The page to return. (by default: the last previous 12 months). This field is currently ignored by the server.</i>
	<i>Page</i>	<i>month</i>	<i>int</i>	<i>The month of interest</i>
		<i>year</i>	<i>int</i>	<i>The year of interest</i>
		<i>pageNumber</i>	<i>int</i>	<i>The pagination number</i>
		<i>context</i>	<i>byte[]</i>	<i>The session context</i>
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>ListRidsHistoryResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
		<i>items</i>	<i>List<ListRidsHistoryItem></i>	<i>The list of ListRidsHistoryItem</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusUpdater in case an operation is not permitted</i>
Implementation Details	a) Validate session validity b) Build an encrypted request based on the ListRidsHistoryParam-object c) Send the request d) The server processes the request if there is a therapeutic relations between patient and executor, otherwise an exception is returned to the client e) Receive the response f) Validates the response status g) Unseal the response with the symmetric key from the request h) Return a ListRidsHistoryResult-object to the caller			

6. LISTOPENPRESCRIPTIONS

Operation Name	<i>GetData(ListOpenPrescriptionsParam)</i>
Class Name	<i>ExecutorIntegrationModuleV4</i>

Description	This function retrieves a list of prescriptions including the encryption key without the proof. The prescriptions from the response are cached(RID.xml) by the SDK in a folder which is specified in connector-client.properties. The statuses of the prescriptions are not modified by calling this operation.			
Errors	IntegrationModuleException			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	ListOpenPrescriptionsParam	page(optional)	Page	The page to return. (by default: the last previous 12 months). This field is currently ignored by the server.
		mandateHolderId	String	The mandateholder identifier
		patientId	String	The patient identifier
		breakTheGlass	breakTheGlass	breakTheGlass type is defined in UnsealedExecutorServicesV4_schema1
	Page	month	int	The month of interest
		year	int	The year of interest
		pageNumber	int	The pagination number
		context	byte[]	The session context
Output Integration Module	Response-entity	Attribute	Type	Description
	ListOpenPrescriptionsResult	status	StatusType	Contains the statusType
		prescriptions	List<GetPrescriptionForExecutorResult >	The list of GetPrescriptionForExecutorResult
	GetPrescriptionForExecutorResult	rid	String	The Recip-e identifier
		creationDate	Calendar	The moment of creation

	<i>patientId</i>	String	<i>The patient identifier</i>
	<i>feedbackAllowed</i>	Boolean	<i>Flag indicating if feedback is allowed for this prescription</i>
	<i>prescription</i>	Byte[]	<i>The prescription bytes</i>
	<i>prescriptionType</i>	String	<i>The prescription type (P0 or P1)</i>
	<i>encryptionKeyId</i>	String	<i>The encryption key</i>
	<i>timestampId</i>	String	<i>The timestamping identifier</i>
	<i>prescriberId</i>	String	<i>The prescriber identifier</i>
	<i>expirationDate</i>	Calendar	<i>The expiration date</i>
<i>StatusType</i>	<i>statusCode</i>	String	<i>100: ok 300: error occurred</i>
	<i>code</i>	String	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
	<i>message</i>	String	<i>The error message</i>
	<i>statusUpdater</i>	String	<i>The last status updater in case an operation is not permitted</i>

Implementation Details	<p>a) Validate session validity</p> <p>b) Build an encrypted request based on the <i>ListOpenPrescriptionsParam</i>-object</p> <p>c) Send the request</p> <p>d) The server processes the request if there is a therapeutic relations between patient and executor, otherwise an exception is returned to the client</p> <p>e) Receive the response</p> <p>f) Validates the response status</p> <p>g) Unseal the response with the symmetric key from the request</p> <p>h) Return a <i>ListOpenPrescriptionsResult</i>-object to the caller</p> <ul style="list-style-type: none"> To decrypt the prescriptions in the result in a single thread, call the decryptGetOpenPrescriptionForExecutor-operation. To decrypt the result multi-threaded, call the decryptListOpenPrescriptionsResult-operation.
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7. DECRYPTGETOPENPRESCRIPTIONFOREXECUTOR

Operation Name	DecryptGetOpenPrescriptionForExecutor (GetOpenPrescriptionForExecutor)			
Class Name	ExecutorIntegrationModuleV4			
Description	<p>This operation decrypts a <i>GetOpenPrescriptionForExecutor</i>-object(with encrypted prescription bytes) into a <i>GetOpenPrescriptionForExecutor</i>-object(with clear-text prescription bytes). These clear-text prescription bytes can be marshalled to a <i>kmehr</i>-prescription. This operation should be called in collaboration with getData(ListOpenPrescriptionsParam) which returns a list of encrypted <i>GetOpenPrescriptionForExecutor</i>-entities. Once this list is fetched from the server, each item can be decrypted by executing this operation. Note: this operation is part of the SDK and not part of the eHealth webservice. The decryption is completely done on the client side.</p>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<i>GetOpenPrescriptionForExecutor</i>	N/A	N/A	The <i>GetOpenPrescriptionForExecutor</i> with encrypted prescription bytes
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>GetOpenPrescriptionForExecutor</i>	N/A	N/A	The <i>GetOpenPrescriptionForExecutor</i> -entity with decrypted prescription bytes, which can be marshalled to a <i>kmehr</i> -prescription.
Implementation Details	<p>a) Lookup the KGSS key based on the keyId from the <i>GetOpenPrescriptionForExecutor</i>-object in the input</p> <p>a) Unseal the encrypted prescription bytes and replace the encrypted with the decrypted bytes</p> <p>b) Decompress the decrypted prescription bytes from the step above</p> <p>c) Return the <i>GetOpenPrescriptionForExecutor</i> containing the decrypted prescription bytes</p>			

8. GETANDMARKASDELIVERED

Operation	<i>getAndMarkAsDelivered (String)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This operation is not part of the eHealth webservice, but combines the operations <i>getPrescription</i> and <i>markAsDelivered</i>: it returns the requested prescription and marks it as delivered.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<i>N/A</i>	<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>GetPrescriptionForExecutorResult</i>	<i>sealedContent</i>	<i>Byte []</i>	<i>The secured prescription</i>
		<i>encryptionKey</i>	<i>Byte []</i>	<i>The encryption key</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>
Implementation Details	<i>a) If the prescription is available in the local cache, return the prescription immediately from the cache, else perform a server call to obtain the prescription.</i>			
	<i>b) Mark the prescription as delivered.</i>			

9. CREATEFEEDBACK

Operation Name	<i>CreateFeedback (String, String, Byte[])</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This operation creates a feedback which is sent from an executor to a prescriber. The status of the prescription is not modified by calling this operation.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<i>N/A</i>	<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>content</i>	<i>Byte []</i>	<i>The content of the feedback</i>
		<i>prescriberId</i>	<i>String</i>	<i>The prescriber identification</i>

Output Integration Module	Response-entity	Attribute	Type	Description
	<i>CreateFeedbackResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
Implementation details	a) <i>Validate session validity</i> b) <i>Build an encrypted request based on the cleartext parameters</i> c) <i>Send the request to create the feedback and receive the response</i> d) <i>Validates the response status</i> e) <i>Unseal the response with the symmetric key from the request</i> f) <i>Return a CreateFeedbackResult-object to the caller</i>			

10. GETPRESCRIPTIONFOREXECUTOR

Operation Name	<i>GetPrescriptionForExecutor (String)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This operation returns a prescription with a given Recip-e identifier to an executor. The status of the prescription is updated to InProcess.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<i>N/A</i>	<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>be.business.connector.recip.executor.domain.GetPrescriptionForExecutorResult</i>	<i>sealedContent</i>	<i>Byte[]</i>	<i>The sealed content of the prescription</i>
		<i>encryptionKey</i>	<i>Byte[]</i>	<i>The KGSS encryption key</i>

		<i>insurabilityResponse</i>	<i>String</i>	<i>The insurability response</i>
		<i>messageId</i>	<i>String</i>	<i>The message identifier</i>
		<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
		<i>creationDate</i>	<i>Calendar</i>	<i>The creation date</i>
		<i>patientId</i>	<i>String</i>	<i>The patient identifier</i>
		<i>feedbackAllowed</i>	<i>boolean</i>	<i>Flag indicating if feedback is allowed</i>
		<i>prescription</i>	<i>Byte []</i>	<i>Unsealed prescription in kmehr format</i>
		<i>prescriptionType</i>	<i>String</i>	<i>The prescription type</i>
		<i>encryptionKeyId</i>	<i>String</i>	<i>The encryption key id</i>
		<i>timestampingId</i>	<i>String</i>	<i>The timestamping id</i>
		<i>prescriberId</i>	<i>String</i>	<i>The prescriber identification</i>
		<i>expirationDate</i>	<i>Calendar</i>	<i>The expiration date</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>

		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
1) Implementation detail	<p>a) <i>Validate session validity</i> b) <i>Build an encrypted request based on the cleartext parameters</i> c) <i>Send the request to create the feedback and receive the response</i> d) <i>Validates the response status</i> e) <i>Unseal the response with the symmetric key from the request</i> f) <i>Return a GetPrescriptionForExecutorResult-object to the caller</i></p> <ul style="list-style-type: none"> <i>The Executor SDK sets the parameter 'disablePatientInsurabilityCheckParam' of the GetPrescriptionForExecutorRequest-request by looking up the parameter patient.insurability.disable. If this value is false, eHealth will also lookup the insurability of the patient (in case of a P1-RID) and enrich the response with the insurability information.</i> <i>The Executor SDK sets the parameter 'version' of GetPrescriptionForExecutorParam automatically by looking up the parameter connector.version in the configuration. The value must be v2.</i> 			

11. MARKASARCHIVED

Operation Name	<i>MarkAsArchived (String)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This operation updates the status of a prescription with a given Recip-e identifier to Archived.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity Attribute			
	<i>N/A</i>	<i>rid</i>	<i>String</i>	<i>The Recip-e identifier</i>
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>MarkAsArchivedResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
Implementation detail	<p>a) <i>Validate session validity</i> b) <i>Build an encrypted request based on the cleartext parameters</i> c) <i>Send the request to create the feedback and receive the response</i> d) <i>Validates the response status</i> e) <i>Unseal the response with the symmetric key from the request</i> f) <i>Return a MarkAsArchivedResult-object to the caller</i></p>			

12. MARKASDELIVERED

Operation Name	<i>MarkAsDelivered (String)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This operation updates the status of a prescription with a given Recip-e identifier as Delivered.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	N/A	<i>rid</i>	<i>String</i>	The Recip-e identifier
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>MarkAsDeliveredResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
Implementation detail	<i>a) Validate session validity b) Build an encrypted request based on the cleartext parameters c) Send the request to create the feedback and receive the response d) Validates the response status e) Unseal the response with the symmetric key from the request f) Return a MarkAsDeliveredResult-object to the caller</i>			

13. MARKASUNDELIVERED

Operation Name	<i>MarkAsUnDelivered (String)</i>
Class Name	<i>ExecutorIntegrationModuleV4</i>

Description	<i>This operation updates the status of a prescription with a given Recip-e identifier as NotDelivered.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	N/A	<i>rid</i>	<i>String</i>	The Recip-e identifier
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>MarkAsUndeliveredResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	100: ok 300: error occurred
		<i>code</i>	<i>String</i>	The technical code of the error message e.g. error.validation.x.y.z
		<i>message</i>	<i>String</i>	The error message
		<i>statusUpdater</i>	<i>String</i>	The last statusupdater in case an operation is not permitted
Implementation detail	a) Validate session validity b) Build an encrypted request based on the cleartext parameters c) Send the request to create the feedback and receive the response d) Validates the response status e) Unseal the response with the symmetric key from the request f) Return a MarkAsUndeliveredResult-object to the caller			

14. LISTNOTIFICATIONS

Operation Name	<i>ListNotifications (Boolean)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This operation lists all available notifications (read or unread, depending on the input-flag) for a certain executor.</i>			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	N/A	<i>readFlag</i>	<i>Boolean</i>	Flag indicating if the notification is read

Output Integration Module	Response-entity	Attribute	Type	Description
	<i>ListNotificationsResult</i>	<i>status</i>	<i>StatusType</i>	Contains the <i>statusType</i>
		<i>notifications</i>	<i>List<ListNotificationsItem></i>	List of NotificationItems
	<i>ListNotificationsItem</i>	<i>sentBy</i>	<i>String</i>	The person who sent the notification
		<i>sentDate</i>	<i>Calendar</i>	The sent date of the notification
		<i>content</i>	<i>Byte []</i>	The content of the notification
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	100: ok 300: error occurred
		<i>code</i>	<i>String</i>	The technical code of the error message e.g. <i>xxx.validation.error</i>
		<i>message</i>	<i>String</i>	The error message
		<i>statusUpdater</i>	<i>String</i>	The last statusUpdater in case an operation is not permitted
Implementation details	a) Validate session validity b) Build an encrypted request based on the cleartext parameters c) Send the request to create the feedback and receive the response d) Validates the response status e) Unseal the response with the symmetric key from the request f) Return a <i>ListNotificationsResult</i> -object to the caller			

15. REVOKEPRESCRIPTION

Operation Name	<i>RevokePrescription (String, String)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	This operation updates the status of a prescription with a given Recip-e identifier as Revoked and the prescription content is removed.			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	N/A	<i>rid</i>	<i>String</i>	The Recip-e identifier
		<i>reason</i>	<i>String</i>	The reason of revocation

Output Integration Module	Response-entity	Attribute	Type	Description
	<i>RevokePrescriptionResponse</i>	<i>revokePrescriptionResultSealed</i>	<i>Byte []</i>	<i>Sealed byte representation of RevokePrescriptionResult. Unseal with the symmkey</i>
	<i>RevokePrescriptionResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the statusType</i>
	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	<i>100: ok 300: error occurred</i>
		<i>code</i>	<i>String</i>	<i>The technical code of the error message e.g. error.validation.x.y.z</i>
		<i>message</i>	<i>String</i>	<i>The error message</i>
		<i>statusUpdater</i>	<i>String</i>	<i>The last statusupdater in case an operation is not permitted</i>
Implementation details	a) Validate session validity b) Build an encrypted request based on the cleartext parameters c) Send the request to create the feedback and receive the response d) Validates the response status e) Unseal the response with the symmetric key from the request f) Return a <i>RevokePrescriptionResult</i> -object to the caller			

16. LISTRELATIONS

Operation Name	<i>ListRelations(ListRelationsParam)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	<i>This operation returns the list of patients who have given a mandate to the mandateHolder from the request.</i>			
Errors	<i>Technical Services Exception such as Connection failure, Encryption failure Inconsitant Status, Incorrect PatientId</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description

	<i>ListRelationsParam</i>	<i>mandateHolderId</i>	<i>String</i>	<i>The identifier of the mandate holder</i>
		<i>breakTheGlass</i>	<i>breakTheGlass</i>	<i>breakTheGlass type is defined in UnsealedExecutorServicesV4_schema1</i>
		<i>page(optional)</i>	<i>Page</i>	<i>The page to return. (by default: the last previous 12 months). This field is currently ignored by the server.</i>
	<i>Page</i>	<i>month</i>	<i>int</i>	<i>The month of interest</i>
		<i>year</i>	<i>int</i>	<i>The year of interest</i>
		<i>pageNumber</i>	<i>int</i>	<i>The pagination number</i>
		<i>context</i>	<i>byte[]</i>	<i>The session context</i>
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>ListRelationsResult</i>	<i>status</i>	<i>StatusType</i>	<i>Contains the StatusType-object</i>
		<i>items</i>	<i>List</i>	<i>The list of ListRelationsItem-objects</i>
	<i>ListRelationsItem</i>	<i>patientId</i>	<i>String</i>	<i>The patient who gave the mandateHolderId a mandate to request a (list of) prescription(s) on their behalf.</i>
		<i>Firstname</i>	<i>String</i>	<i>The firstname of the patient who gave the mandate</i>
		<i>Lastname</i>	<i>String</i>	<i>The lastname of the patient who gave the mandate</i>

	<i>StatusType</i>	<i>statusCode</i>	<i>String</i>	100: ok 300: error occurred
		<i>code</i>	<i>String</i>	The technical code of the error message e.g. error.validation.x.y.z
		<i>message</i>	<i>String</i>	The error message
		<i>statusUpdater</i>	<i>String</i>	The last statusupdater in case an operation is not permitted
a) Validate session validity b) Build an encrypted request based on the ListRelationsParam-object c) Send the request d) The server processes the request if there is a therapeutic relations between patient and executor, otherwise an exception is returned to the client e) Receive the response f) Validates the response status g) Unseal the response with the symmetric key from the request Return a ListRelationsResult-object to the caller				

17. DECRYPTLISTOPENPRESCRIPTIONSRESULT

Operation Name	<i>DecryptListOpenPrescriptionsResult (ListOpenPrescriptionsResult)</i>			
Class Name	<i>ExecutorIntegrationModuleV4</i>			
Description	This operation decrypts a ListOpenPrescriptionsResult-object (with encrypted prescription bytes) into a ListOpenPrescriptionsResult-object (with clear-text prescription bytes). These clear-text prescription bytes can be marshalled to a kmehr-prescription. This operation should be called in collaboration with <i>getData(ListOpenPrescriptionsParam)</i> which returns an encrypted ListOpenPrescriptionsResult. Once this object is fetched from the server, it can be decrypted by executing this operation. Note: this operation is part of the SDK and not part of the eHealth webservice. The decryption is completely done on the client side. This operations decrypts each GetOpenPrescriptionForExecutor in a separate thread to optimize the performance.			
Errors	<i>IntegrationModuleException</i>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<i>ListOpenPrescriptionsResult</i>	N/A	N/A	The ListOpenPrescriptionsResult with encrypted prescription bytes
Output Integration Module	Response-entity	Attribute	Type	Description
	<i>ListOpenPrescriptionsResult</i>	N/A	N/A	The ListOpenPrescriptionsResult-entity with decrypted prescription bytes, which can be marshalled to a kmehr-prescription.

Implementation Details	<p>a) The operation will start a separate thread for each of the <code>GetOpenPrescriptionForExecutor</code> from <code>ListOpenPrescriptionsResult</code>.</p> <p>b) Each thread looks up the KGSS key based on the <code>keyId</code> from the <code>GetOpenPrescriptionForExecutor</code>-object in the input</p> <p>c) Unseal the encrypted prescription bytes and replace the encrypted with the decrypted bytes</p> <p>d) Decompress the decrypted prescription bytes from the step above</p> <p>e) Return the <code>ListOpenPrescriptionsResult</code> containing the decrypted <code>GetOpenPrescriptionForExecutor</code>-objects</p>
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18. DECRYPTLISTRESERVATIONSRESULT

Operation Name	<code>DecryptListReservationsResult (ListReservationsResult)</code>			
Class Name	<code>ExecutorIntegrationModuleV4</code>			
Description	<p>This operation decrypts a <code>ListReservationsResult</code> -object (with encrypted prescription bytes) into a <code>ListReservationsResult</code> -object (with clear-text prescription bytes). These clear-text prescription bytes can be marshalled to a <code>kmehr-prescription</code>. This operation should be called in collaboration with <code>getData(ListReservationsParam)</code> which returns an encrypted <code>ListReservationsResult</code>. Once this object is fetched from the server, it can be decrypted by executing this operation. Note: this operation is part of the SDK and not part of the eHealth webservice. The decryption is completely done on the client side. This operations decrypts each <code>ListReservationsResultItem</code> in a separate thread to optimize the performance.</p>			
Errors	<code>IntegrationModuleException</code>			
Inputs Integration Module	Request-entity	Attribute	Type	Description
	<code>ListReservationsResult</code>	N/A	N/A	The <code>ListReservationsResult</code> with encrypted prescription bytes
Output Integration Module	Response-entity	Attribute	Type	Description
	<code>ListReservationsResult</code>	N/A	N/A	The <code>ListReservationsResult</code> -entity with decrypted prescription bytes, which can be marshalled to a <code>kmehr-prescription</code> .
Implementation Details	<p>f) The operation will start a separate thread for each of the <code>ListReservationsResultItem</code> from <code>ListReservationsResult</code>.</p> <p>g) Each thread looks up the KGSS key based on the <code>keyId</code> from the <code>GetOpenPrescriptionForExecutor</code>-object in the <code>ListReservationsResultItem</code>.</p> <p>h) Unseal the encrypted prescription bytes and replace the encrypted with the decrypted bytes</p> <p>i) Decompress the decrypted prescription bytes from the step above</p> <p>j) Return the <code>ListReservationsResult</code> containing the <code>ListReservationsResultItem</code> with decrypted <code>GetOpenPrescriptionForExecutor</code>-objects</p>			

Version Number	Date	Author	Changes (content)	Available as of
Version 1	2019/09/30	BCA	Initial version	
Version 2	2019/11/14	BCA	<ul style="list-style-type: none"> Add <i>activeResults</i> to <i>ListRidsHistoryParam</i> The <i>ListReservationsResult</i> contains a list of <i>ListReservationsResultItem</i>-objects instead of <i>Reservation</i>-objects The <i>ListReservationsResultItem</i> contains the default information of the reservation: <ul style="list-style-type: none"> Rid executorId creationdate of the reservation last updatedate of the reservation <i>And is extended with the following items:</i> <ul style="list-style-type: none"> Prescription without proof Creationdate prescription Expirationdate prescription Status of the prescription patientId prescriberId 	<i>Release 2020Q1</i>
Version 3	2019/12/19	BCA	Correction to <ul style="list-style-type: none"> ListOpenPrescriptions ListRelations 	<i>Release 2020Q1</i>
Version 4	2020/10/21	BCA	Add firstname and lastname to ListRelationItem	<i>Release 2020Q3</i>
Version 5	2021/03/15	BCA	<ul style="list-style-type: none"> Add documentation on the use of property <i>patient.insurability.disable</i> and <i>connector.version</i> of the operation <i>GetPrescriptionForExecutor</i> Add operation <i>DecryptListOpenPrescriptionsResult</i> Add operation <i>decryptListReservationsResult</i> Add 'page' to ListRelationsParam Update description of <i>getAndMarkAsDelivered</i> 	<i>Release 2021Q1 1.8.6/ 1.8.4(tris)</i>

Version 6	2021/08/12	NDH	<ul style="list-style-type: none"> Add contact details and preference to createReservation 	
Version 7	2021/12/09	NDH	<ul style="list-style-type: none"> Add breakTheGlass to ListRelations, ListOpenPrescriptions and ListRidsHistory 	