

# Interoperability Layer Roadmap



The Roadmap describes the major features planned for the Interoperability Layer according to estimated timeline.

**NOTE:** This roadmap is constantly being reviewed and will likely change as it is refined and as other [requirements](#) are defined and [additional use cases](#) introduced.

## 2018 Roadmap

	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)
Reference application development	Ensure full conformance to following IHE profiles: <ul style="list-style-type: none"> <li>• MHD</li> <li>• PIXm</li> <li>• PDQm</li> <li>• ATNA</li> </ul>			
Documentation	Supporting documentation			
Design Workflows				
Implement new workflows in reference implementation				
Laboratory test new workflows				

## 2017 Roadmap

	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)
Reference application development	Version 3.4.0 released on 23rd March  This is a new minor release of the OpenHIM. This release contains the following: <ul style="list-style-type: none"> <li>• Large transaction that are updated via the API can now be truncated</li> <li>• Fix some weird numbers in transaction reporting</li> <li>• Node v4 and above in now required</li> <li>• Conflict detection between clients and role names</li> <li>• Bug fixes and performance improvements</li> </ul> See a full list of changes <a href="#">here</a> .			Version 4.0.0 due for release  This OpenHIM release will contain: <ul style="list-style-type: none"> <li>• Update node to version 9</li> <li>• Update Travis autodeploy</li> <li>• Remove unnecessary dependencies that broke with Node upgrade</li> <li>• Add HTTP Channel type method selector feature</li> <li>• Add Audit-trail for changes to the endpoints</li> </ul>
Documentation				Version 4.0.0 documentation on <a href="#">Readthedocs</a> This will include updated and expanded Implementers Guide and Specifications.

## 2016 Roadmap

	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)

Reference application development	<p><b>Version 1.5.0</b> released on 16th Feb</p> <p>This is a new minor release of the OpenHIM with a number of key changes.</p>	<p><b>Version 2.0.0</b> released on 2nd June 2016.</p> <p>This is a new release of the OpenHIM with some important breaking changes including</p> <ul style="list-style-type: none"> <li>Revised authorisation system.</li> <li>Default mediator channels are now not added automatically, they must be installed manually via the API or console. This give the user better control of how mediators act.</li> <li>The OpenHIM now trusts the common rootCAs when verifying a clients certificate so it means that self signed certificates aren't required for clients.</li> </ul>	<p><b>Version 3.1.0</b> released on 12th September 2016.</p> <p>This is a new major release of the OpenHIM. For a full list of changes <a href="#">see here</a></p> <p><b>Version 3.0.0</b> released on 2nd August 2016.</p> <p>This is a new breaking change release of the OpenHIM. For a full list of changes <a href="#">see here</a></p>	<p><b>Version 3.3.1</b> released on 18th November .</p> <p>Includes a minor packaging fix.</p> <p><b>Version 3.3.0</b> released on 18th November .</p> <p>This is a new minor release of the OpenHIM.</p> <p>To see all changes, click <a href="#">here</a></p> <p><b>Version 3.2.1</b> released on 1st November</p> <p>This is a new minor release of the OpenHIM. See a full list of changes <a href="#">here</a></p>
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## 2015 Roadmap

	Q1 (Jan-Mar) 2015	Q2 (Apr-Jun) 2015	Q3 (Jul-Sep) 2015	Q4 (Oct-Dec) 2015
Workflow development	<ul style="list-style-type: none"> <li>Discuss and design the ICP interaction workflow (see ICP white paper)</li> <li>Alerting transaction - triggered by ICP perhaps</li> <li>PDQm adaption to v2</li> <li>How does the TS fit into the IL workflows</li> <li>Consent management</li> <li>How to better describe the IL services - do we need more detailed component architectures? (some of hidden transaction eg ATNA, consent)</li> </ul>	<ul style="list-style-type: none"> <li>Discuss and design the ICP interaction workflow (see ICP white paper)</li> <li>Alerting transaction - triggered by ICP perhaps</li> <li>PDQm adaption to v2</li> <li>How does the TS fit into the IL workflows</li> <li>Consent management</li> <li>How to better describe the IL services - do we need more detailed component architectures? (some of hidden transaction eg ATNA, consent)</li> </ul>	<ul style="list-style-type: none"> <li>Discuss ODD Support</li> <li>Discuss MHD support</li> </ul>	<ul style="list-style-type: none"> <li>Discuss ADX support</li> <li>Discuss basic privacy and consent support</li> </ul>
Reference application development		<p>Version 1.2 released on 30th April</p> <p>See release notes <a href="#">here</a></p>	<p>Version 1.3 released on 20th July</p> <p>see release notes <a href="#">here</a></p> <p>Improved documentation for mediators and enhanced repository - due 30th September</p>	IHE Connectathon preparation
Documentation			Focus on documentation to make it easier to get started with mediators	
Laboratory testing of workflow / reference application				

## 2014 Roadmap

	Q1 (Jan-Mar) 2014	Q2 (Apr-Jun) 2014	Q3 (Jul-Sep) 2014	Q4 (Oct-Dec) 2014
Workflow development	<ul style="list-style-type: none"> <li>SSO for human user of the HIE applications</li> <li>Authentication and authorization for client systems</li> <li>Save patient-level clinical data workflow - V1.0</li> </ul>	<ul style="list-style-type: none"> <li>Save patient-level clinical data workflow - V1.0</li> <li>Query encounter workflow</li> </ul>	<ul style="list-style-type: none"> <li>Discuss and design the ICP interaction workflow</li> <li>What does the IL need to do for OpenHIE version 1</li> </ul>	<ul style="list-style-type: none"> <li>Discuss and design the ICP interaction workflow (see ICP white paper)</li> <li>Alerting transaction - triggered by ICP perhaps</li> <li>Should the arch decouple the content to the transport</li> </ul>

Reference application development	<ul style="list-style-type: none"> <li>• Build new OpenHIM core engine</li> </ul>	<ul style="list-style-type: none"> <li>• Build new OpenHIM core engine</li> <li>• Build new OpenHIM web management console</li> </ul>	<ul style="list-style-type: none"> <li>• Build new OpenHIM core engine</li> <li>• Build new OpenHIM web management console</li> <li>• Design and prototype mediator plug-in architecture</li> <li>• Develop mediator base scaffolding</li> <li>• Update save encounter mediator</li> <li>• Build support for secure sockets in the reference application</li> </ul>	<ul style="list-style-type: none"> <li>• Refine OpenHIM core engine</li> <li>• Refine OpenHIM web management console</li> <li>• Develop mediator plug-in architecture</li> <li>• Develop mediator base scaffolding</li> <li>• Update save encounter mediator</li> <li>• Build support for secure sockets in the reference application</li> </ul>
Laboratory testing of workflow / reference application			<ul style="list-style-type: none"> <li>• Begin deploying new OpenHIM core to RHIE preprod and other RSA work preprod</li> </ul>	<ul style="list-style-type: none"> <li>• Deploy to OpenHIE demo server</li> </ul>