

IntelloT component available for OC #2 integration - Details

Name	Trust Broker
Responsible partner(s)	Sphynx Analytics Ltd (SANL)
Brief description	<p>A key characteristic that maximises the efficacy of IntelloT’s Trust Enablers is their tight integration and continuous communication through the dedicated Trust Broker, based on RabbitMQ and using the AMQP binary protocol. This also facilitates integration of additional trust-related capabilities with the existing ones. A high-level overview of the various Trust Enablers’ integration via the Trust Broker appears in the diagram below. More details on this approach can be found in Section 6 of D4.4 - “Trust mechanisms (first version)”.</p>
Interfacing (I/O)	<p>As shown in the above diagram, each Trust Enabler is considered as producer and/or publisher to the Trust Broker, declaring its own exchange queue. For supporting additional integrations (e.g., in the context of OC2), and as the Trust Broker is an AQMP-based, RabbitMQ instance, we defer the reader to the extensive RabbitMQ documentation & tutorials for more details.</p>
Main interactions	<p>Supporting interaction between all Trust enablers, including Event Captors, Trust IDS, AAA, DLTs, MTDs, and the Security Assurance Platform. Please refer to deliverable D2.6 - “High level architecture (final version)”, subsection 2.3.3, for more details regarding interfacing between the interaction taking place between the Trust enablers via the Trust Broker.</p>
Deployment	Can be used in cloud, on-site or hybrid modes. Can be deployed locally, on VMs or Dockerised.
Licensing	Free & Open Source (Mozilla Public License 2.0)
Deliverable references	Please refer to deliverable D2.6 - “High level architecture (final version)”, subsections 2.1.3, 2.2.3, 2.3.3 & 2.4.3 , for more details regarding interfacing & integration of the Trust Broker and other trust components & deliverable D4.4 - “Trust mechanisms (first version)”, section 6 , for more details on the design and development of the component.

