

IntelloT component available for OC #2 integration - Details

Name	Web-based Integrated Development Environment for Hypermedia MAS
Responsible partner(s)	HSG
Brief description	<p>This component enables the domain expert (farm engineer; production engineer; medical systems engineer) to monitor the system (based on information it obtains from the Hypermedia MAS Infrastructure) and to specify the agent organization and the procedural knowledge of individual agents. The component furthermore contains a back end that does the mapping from user goals (from the UC-specific Goal Specification Front Ends) to the input for the Hypermedia MAS (that is running on the Hypermedia MAS Infrastructure).</p>
Interfacing (I/O)	<p><i>Inputs</i></p> <ul style="list-style-type: none">- <i>i1: Engineers specifying organization knowledge using this component</i>- <i>i2: Engineers specifying agent organizations using this component</i>- <i>i3: Information about the Hypermedia MAS (e.g., specified agents and agent organizations)</i>- <i>i4: Information about the Environment (e.g., artifacts)</i>- <i>i5: End User Goals</i> <p><i>Outputs</i></p> <ul style="list-style-type: none">- <i>o1: Information about configured agent organizations, agent procedural knowledge, and user goals</i>
Main interactions	<p>Accepts <i>i1</i> and <i>i2</i> from the engineer using the component (responsible: HSG)</p> <p>Accepts <i>i3</i> and <i>i4</i> from the Hypermedia MAS Infrastructure (responsible: HSG)</p> <p>Accepts <i>i5</i> from the End User Goal Specification Frontend (responsible: HSG)</p> <p>Provides <i>o1</i> to the Hypermedia MAS Infrastructure (responsible: HSG)</p>
Deployment	<p>The Web-based IDE requires the use of Node.js v16.13.2, nodemon v2.0.15, and mongoDB v3.6.3. It is available at: https://github.com/Interactions-HSG/intelliot-hypermas-explorer.</p>
Licensing	Apache 2.0
Deliverable references	Deliverable D3.1 section 3.2

