

To develop and publish Broad AI Agents

BroadAI Agent Framework





















































































































































































































































































































































































































Create module with register method and agent property

4



From BroadAI MAS application:

```
const ai = new BroadAI([rs.agent], { });  
rs.register(ai.config, {});
```


































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































Define the agent which includes it's skills and actions
associated with those skills



5

```
const Agentic = require('broadai/agentic');
let agentic;
let config;
module.exports = {

  // - register()
  register: (broadAIConfig, agentConfig)=>{
    agentic = new Agentic(broadAIConfig);
    config = agentConfig;
  },

  // - agent
  agent:{

  }

};
```

BroadAI Agentic Framework

To develop and publish BroadAI Agents

4 Create a module with **register** method and **agent** property

Editor

```
const Agentic = require('broadai/agent');
let agent;
let config;
module.exports = {

  // - register()
  register: (broadAIConfig, agentConfig)=>{
    agent = new Agentic(broadAIConfig);
    config = agentConfig;
  },

  // - agent
  agent:{

  }

};
```

5

Define the **agent** which includes it's **skills** and **actions** associated with those skills

Editor

```
...
// - agent
agent:{
  // name your agent to the likes of a persona, e.g. StockBroker, Analyst,
  // Linguist, etc.
  "agent-name": "--??--",
  // describe what kind of overall capabilities this agent will provide.
  // Better description will help BroadAI MAS utilize it at the right place.
  "capability": "--??--",
  // list of all the skills this agent possesses.
  "skills": [
    {
      // name the skill, e.g. translateText, composeEmail, etc.
      "skill-name": "skillName",
      // describe what the skill will help achieve.
      "objective": "--??--",
      // MANDATORY: Must match the skill-name
      "action": skillName,
      // parameters the action needs to execute
      "parameters": {
        // MANDATORY: Must match param used in the function later
        "param": "--data-type-- | --description--"
        // RECOMMENDATION: 'param' value must describe the data-type
        // expected followed by brief description and possibly an example. Better
        // description and examples will help BroadAI MAS determine appropriate parameter
        // values so that the function can execute completely.
      }
    },
    /* add additional skills using the same structure above */
  ]
}
...
```

BroadAI Agentic Framework

To develop and publish BroadAI Agents

Editor

```
...
// - agent
agent:{
  // name your agent to the likes of a persona, e.g. StockBroker,
  Analyst, Linguist, etc.
  "agent-name": "--??--",
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  provide. Better description will help BroadAI MAS utilize it at the
  right place.
  "capability": "--??--",
  // list of all the skills this agent possesses.
  "skills": [
    {
      // name the skill like a function, e.g. translateText,
      composeEmail, etc.
      "skill-name": "skillName",
      // describe what the skill will help achieve. Better
      description will help BroadAI MAS utilize it at the right place.
      "objective": "--??--",
      // MANDATORY: Must match the skill-name
      "action": skillName,
      // parameters the action needs to execute
      "parameters": {
        // MANDATORY: Parameter name used in the function definition
        above
        "param": "--data-type-- | --description and possibly an
        example--"
        // RECOMMENDATION: 'param' value must describe the data-type
        expected followed by brief description and possibly an example. Better
        description and examples will help BroadAI MAS determine appropriate
        parameter values so that the action can execute completely.
      }
    },
    /* add additional skills using the same structure above */
  ]
}
...
```