

To develop and publish Broad AI Agents

BroadAI Agent Framework


```
// – 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 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 */
```

```
    ]
```

```
}
```

Define the **action**, which is essentially N deS function

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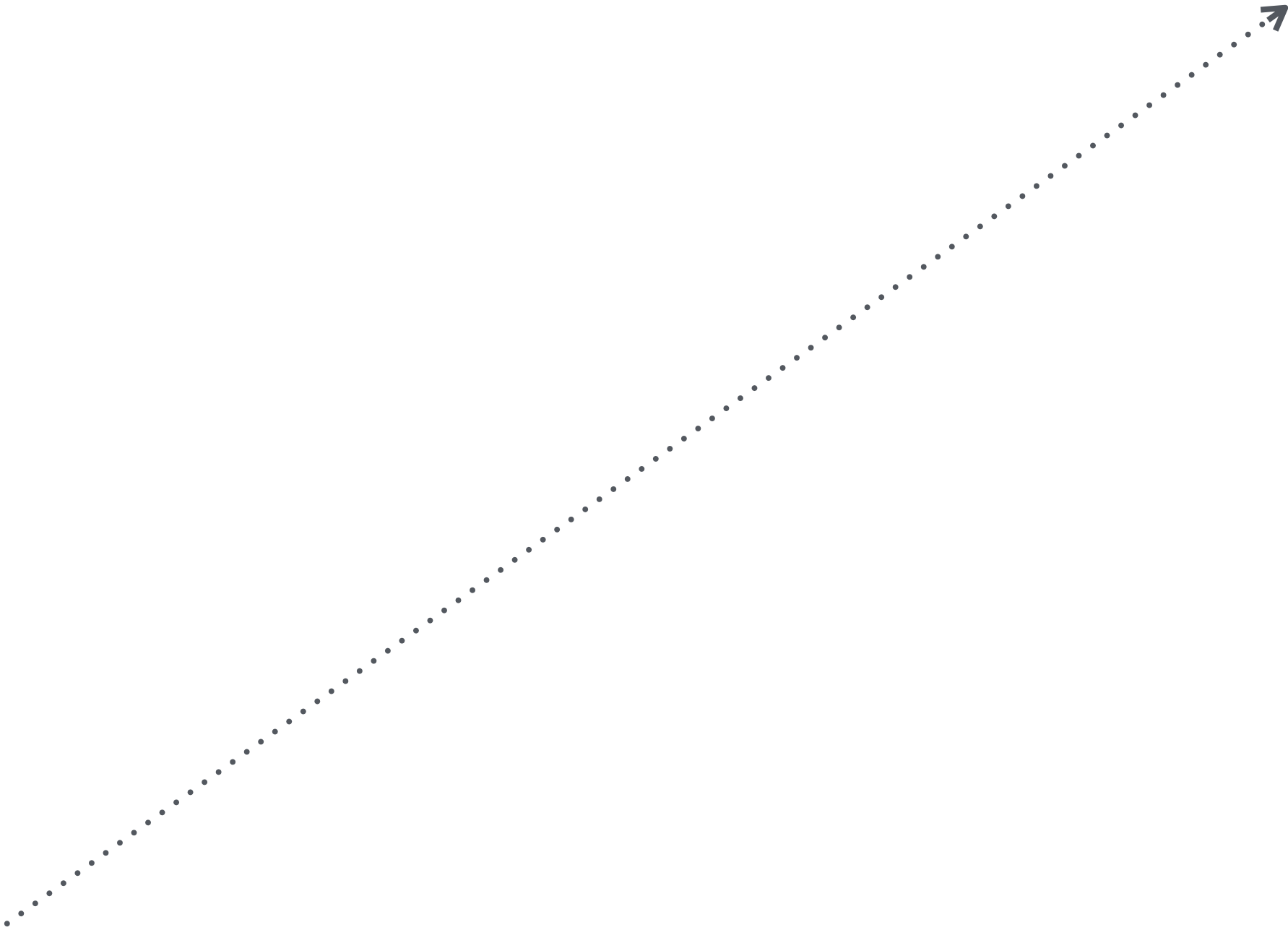












Export as `npm package` and:

- use it as a **private agent**, or
- send it to BroadAI to publish as a **public agent** so that developers can plug-and-play it into their applications

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```
const skillName = (param) => {
```

```
  // RECOMMENDATION: returns Promise
```

```
  return new Promise((resolve, reject) => {
```

```
    // ... You may use Agentic accelerator methods
```

```
    // ... > to call external API resource, or
```

```
    // ... > to call LLM using BroadAI's configuration
```

```
    // ... depending on your use case.
```

```
    // ... Alternatively, you are free to
```

```
    // ... write the entire logic on your own.
```

```
    resolve();
```

```
  });
```

```
};
```

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": "--??--",
  // 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 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
        "param": "--data-type-- | --description and possibly an
        // 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 */
  ]
}
...
```

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Define the **action**, which is essentially a NodeJS function

Editor

```
const skillName = (param) => {

  // RECOMMENDATION: returns Promise
  return new Promise((resolve, reject) => {

    // ... You may use Agentic accelerator methods
    // ... > to call external API resource, or
    // ... > to call LLM using BroadAI's configuration
    // ... depending on your use case.
    // ... Alternatively, you are free to
    // ... write the entire logic on your own.

    resolve();
  });
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```

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Thank You!

BroadAI

Multi-Agent AI System (MAS) Development Framework

<https://broad-ai.github.io/>