

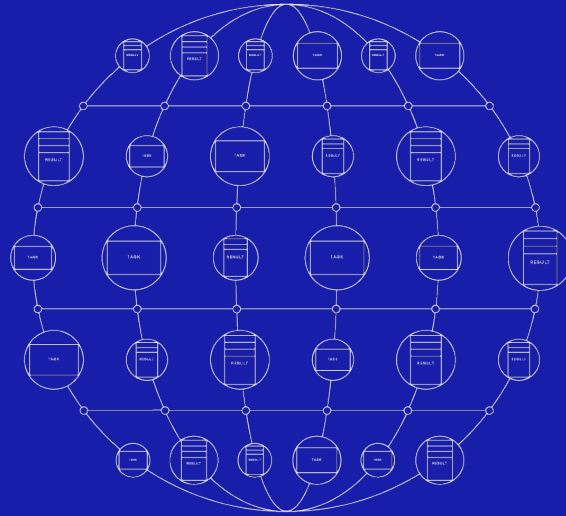


golem

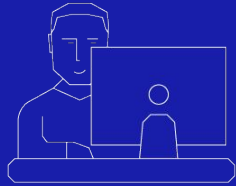
———— DAPPCON 2019

10 questions to an Ethereum OG: the Golem Project

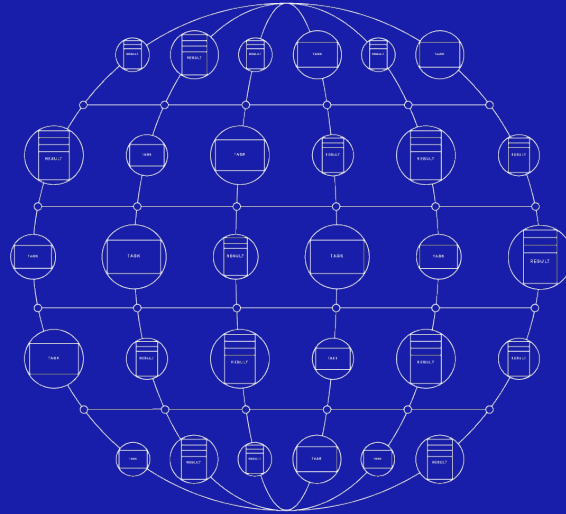
Acting COO Aleksandra Skrzypczak

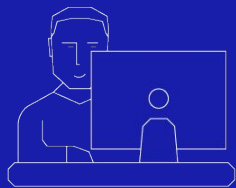


golem
NETWORK

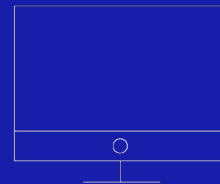
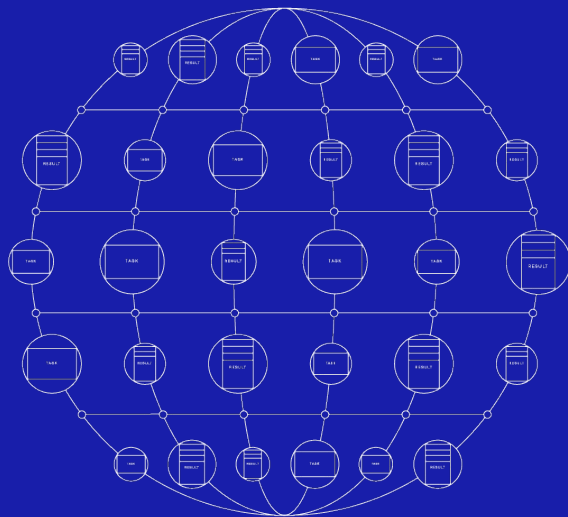


REQUESTOR
of computing resources
demand side of the market

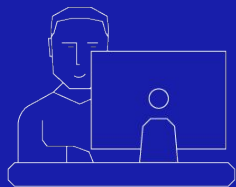




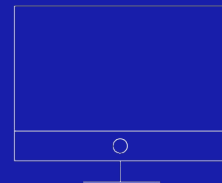
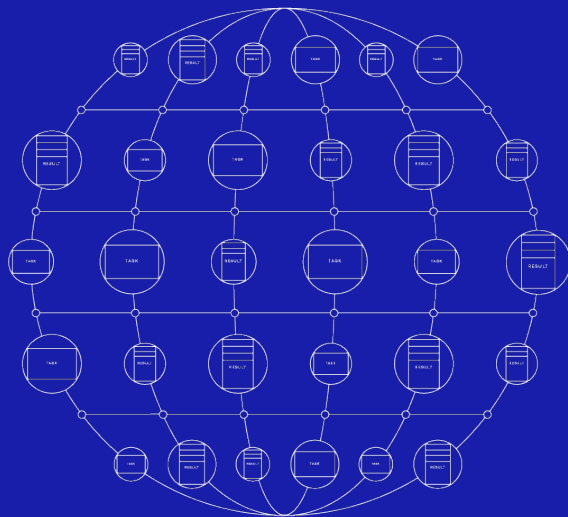
REQUESTOR
of computing resources
demand side of the market



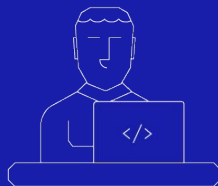
PROVIDER
of computing resources
supply side of the market



REQUESTOR
of computing resources
demand side of the market



PROVIDER
of computing resources
supply side of the market



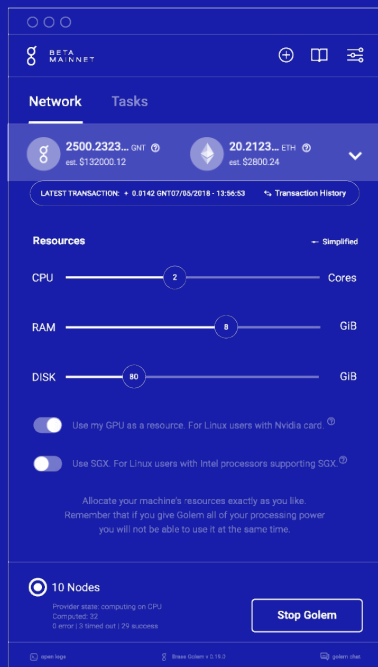
DEVELOPER

The background is a solid dark blue. Overlaid on this are several translucent blue spheres of various sizes. A network of thin, light blue lines connects some of these spheres, creating a web-like structure. The text is centered horizontally and partially overlaid by the spheres.

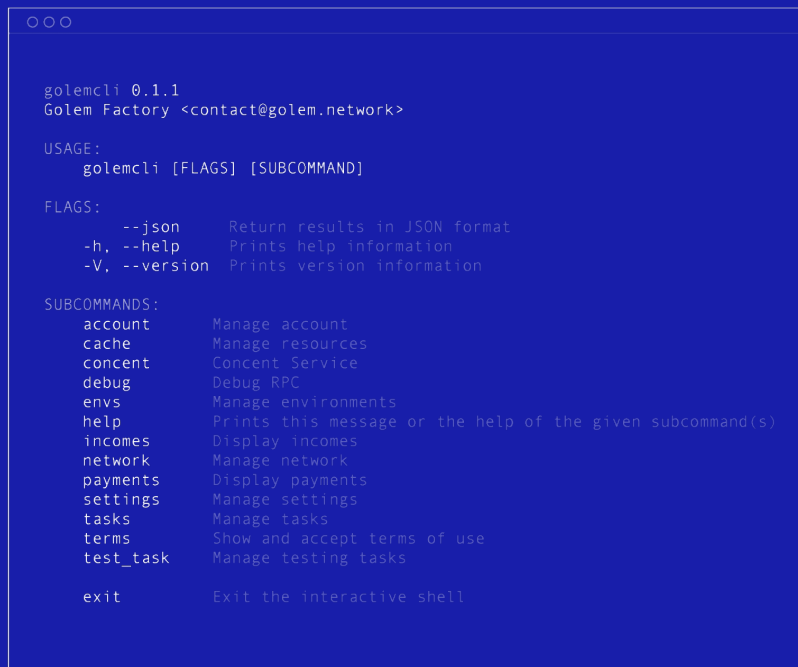
How one can use it?

golem.network

docs.golem.network

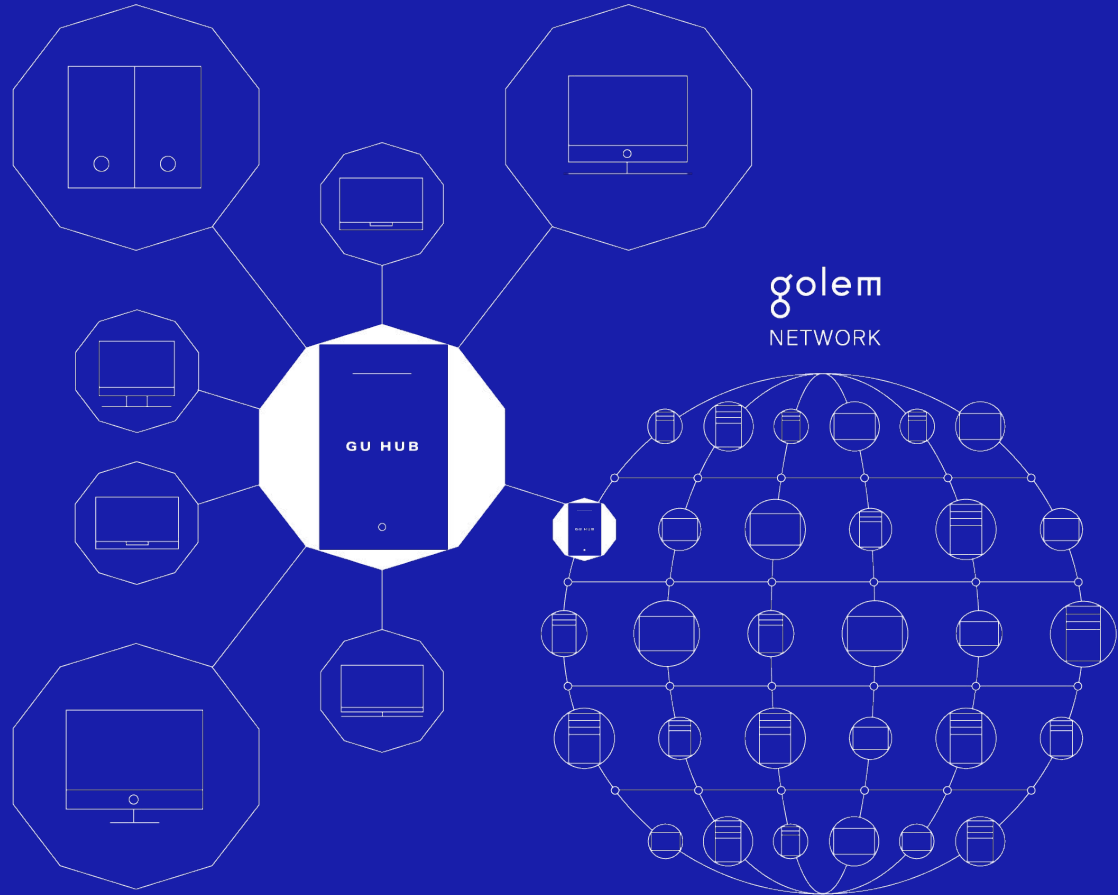


GUI for non tech users
Windows 10 | Mac Os | Ubuntu



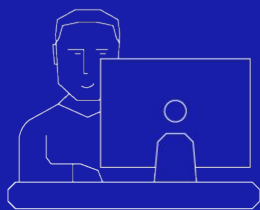
Headless mode for developers
Windows 10 | Mac Os | Ubuntu

golem
UNLIMITED



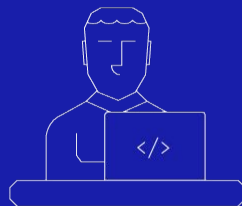
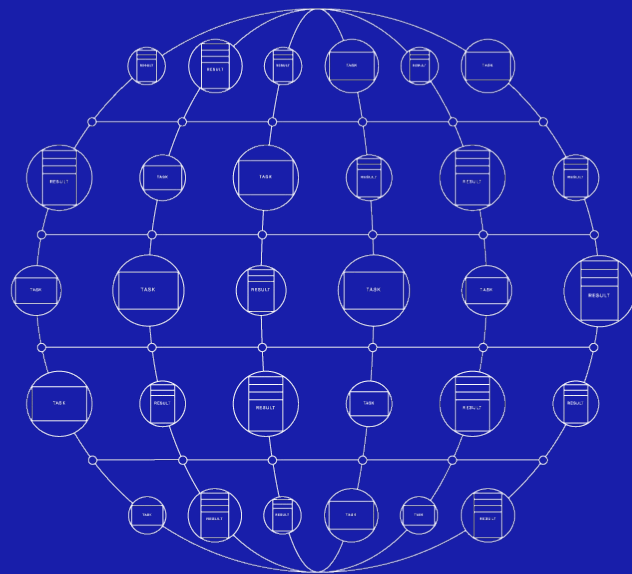
An abstract graphic featuring a cluster of blue spheres of various sizes, some of which are connected by thin, light blue lines, creating a network-like structure. The background is a solid dark blue.

**How can one
integrate with Golem?**



REQUESTOR

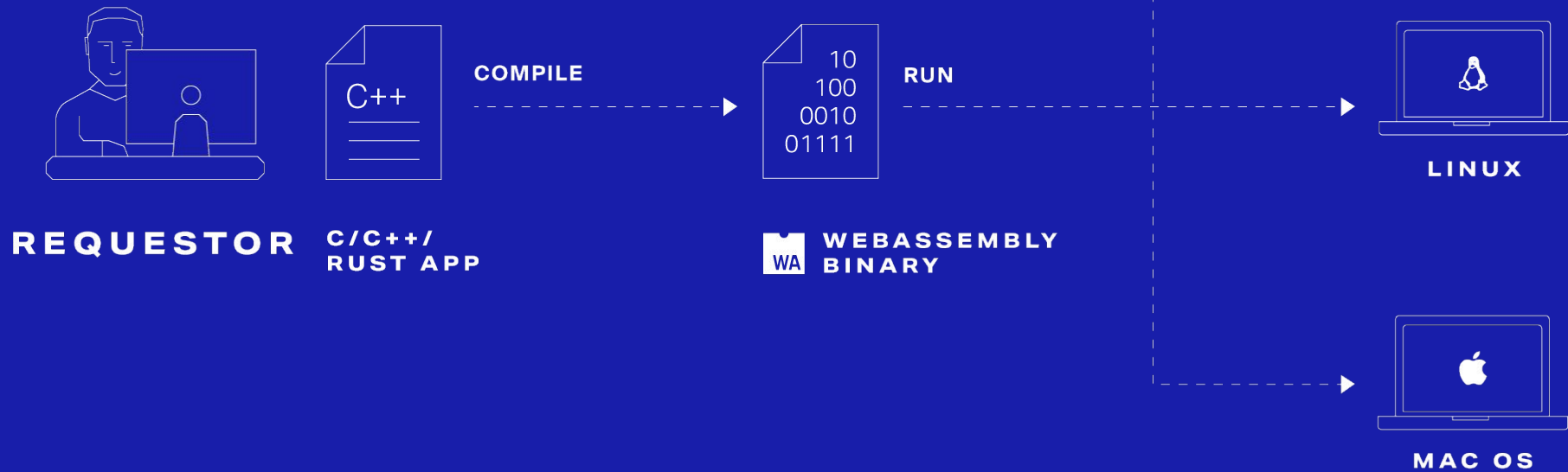
**CHOOSE
AN APP**

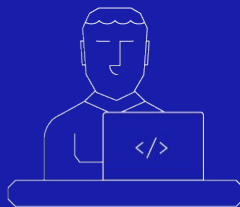


DEVELOPER

**DEVELOP
AN APP**

golem
NETWORK





DEVELOPER

rpc CreateTask

rpc CreateTask (CreateTaskRequest) returns (CreateTaskReply) {}

```
message CreateTaskRequest {  
  string task_id = 1;  
  string task_params_json = 2;  
}
```

```
message CreateTaskReply {  
}
```

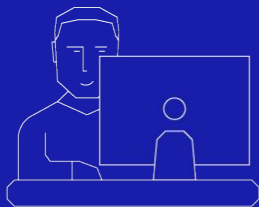
rpc NextSubtask

rpc NextSubtask (NextSubtaskRequest) returns (NextSubtaskReply) {}

```
message NextSubtaskRequest {  
  string task_id = 1;  
}
```

```
message NextSubtaskReply {  
  string subtask_id = 1;  
  string subtask_params_json = 2;  
  repeated string resources = 3;  
}
```

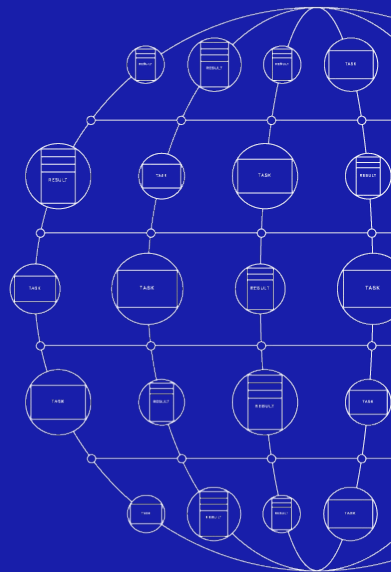
...



REQUESTOR



TASK





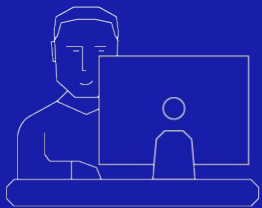
**What are the basic
functionalities of Task API?**

Task API

```
{  
  rpc CreateTask (CreateTaskRequest) returns (CreateTaskReply) {}  
  rpc NextSubtask (NextSubtaskRequest) returns (NextSubtaskReply) {}  
  rpc Verify (VerifyRequest) returns (VerifyReply) {}  
  rpc DiscardSubtasks (DiscardSubtasksRequest) returns (DiscardSubtasksReply) {}  
  rpc RunBenchmark (RunBenchmarkRequest) returns (RunBenchmarkReply) {}  
  rpc HasPendingSubtasks (HasPendingSubtasksRequest) returns (HasPendingSubtasksReply) {}  
  
  rpc Shutdown (ShutdownRequest) returns (ShutdownReply) {}  
}
```

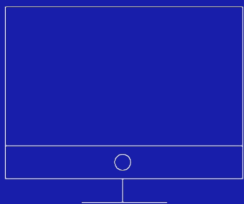
The background is a solid dark blue. Overlaid on this are several translucent blue spheres of various sizes. Some of these spheres are interconnected by thin, faint blue lines, creating a network-like structure that resembles a molecular model or a data graph. The text is centered in the middle of the image.

**How are you gonna
Verify my computation?**

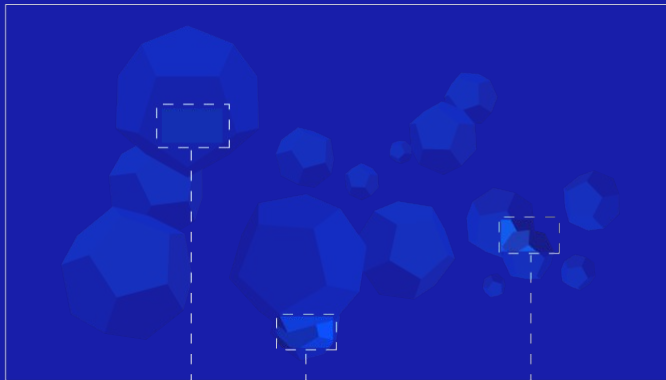


REQUESTOR

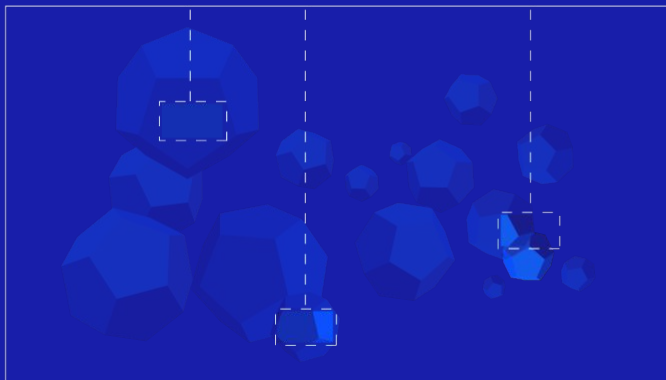
SENDS
TASK

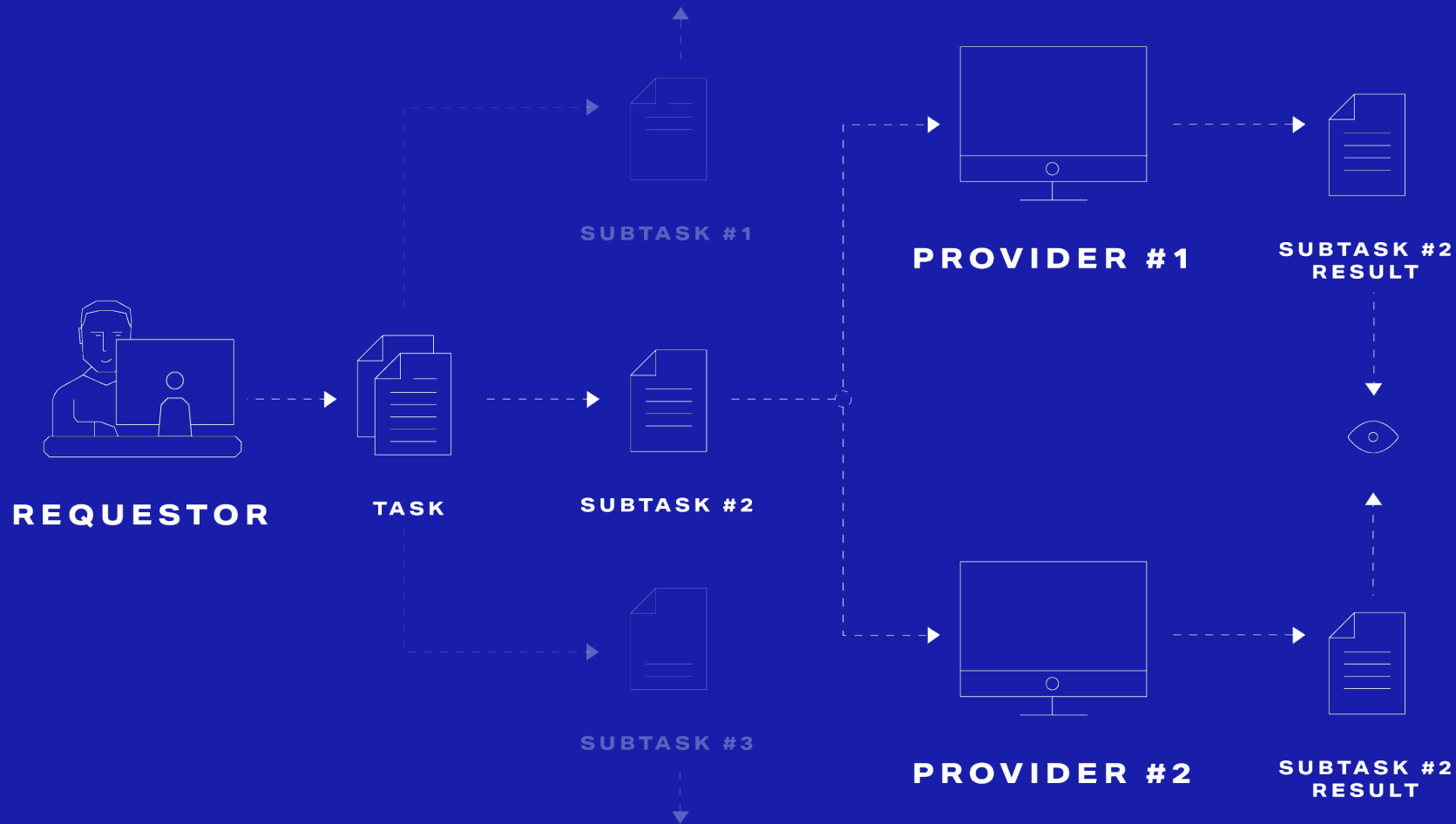


PROVIDER



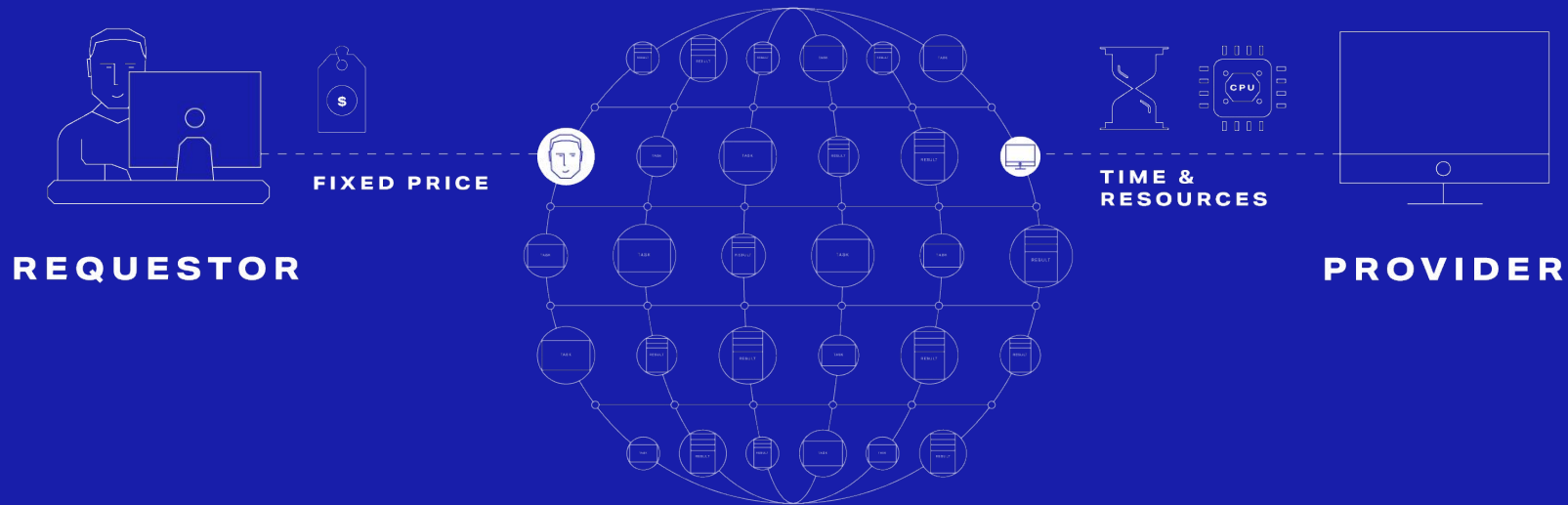
VERDICT





An abstract graphic featuring a cluster of blue spheres of various sizes, some of which are interconnected by thin, light blue lines, set against a solid dark blue background. The text is centered over this graphic.

**How much
does it cost?**



FIXED PRICE vs HOURLY RATE



An abstract graphic featuring a cluster of blue spheres of various sizes, some of which are connected by thin, light blue lines, creating a network-like structure. The background is a solid dark blue.

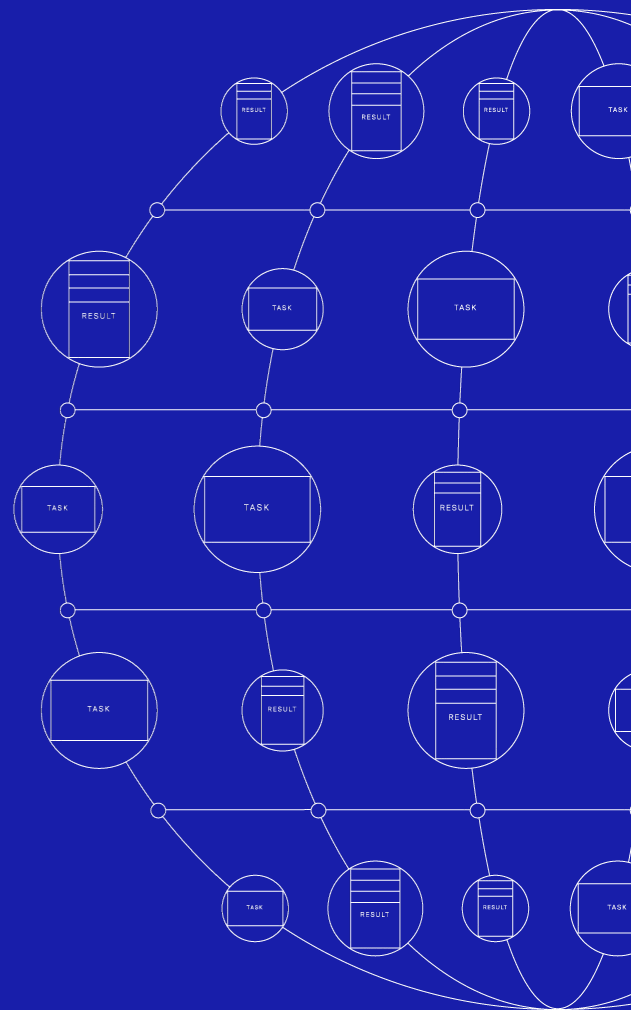
**How are you
going to protect my data?**

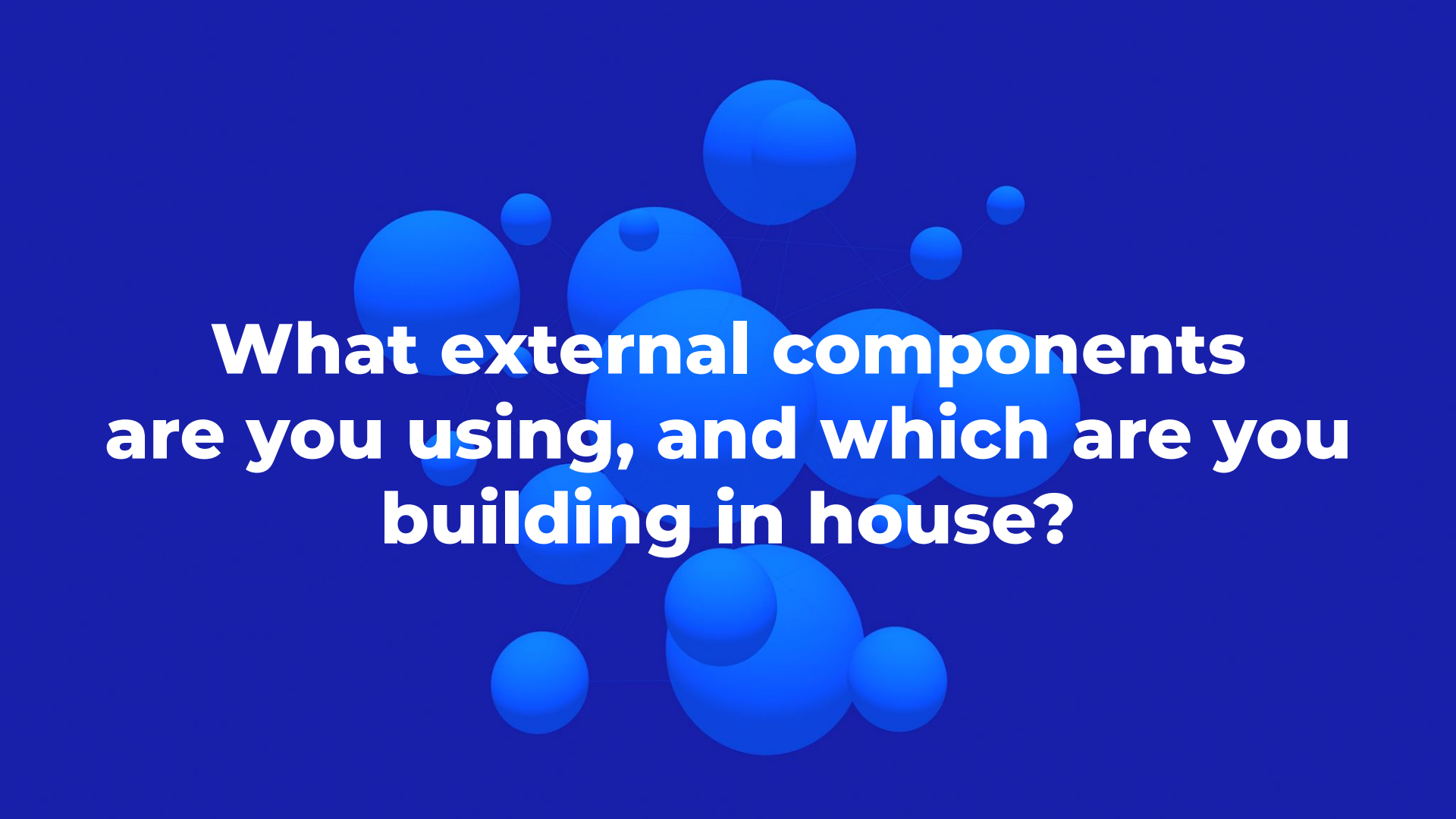
01 _____

Sandboxing for Providers

02 _____

Graphene



The background is a solid dark blue. Overlaid on this are several translucent blue spheres of various sizes. A network of thin, light blue lines connects some of these spheres, creating a web-like structure. The text is centered and reads:

**What external components
are you using, and which are you
building in house?**

01 _____

Network layer

02 _____

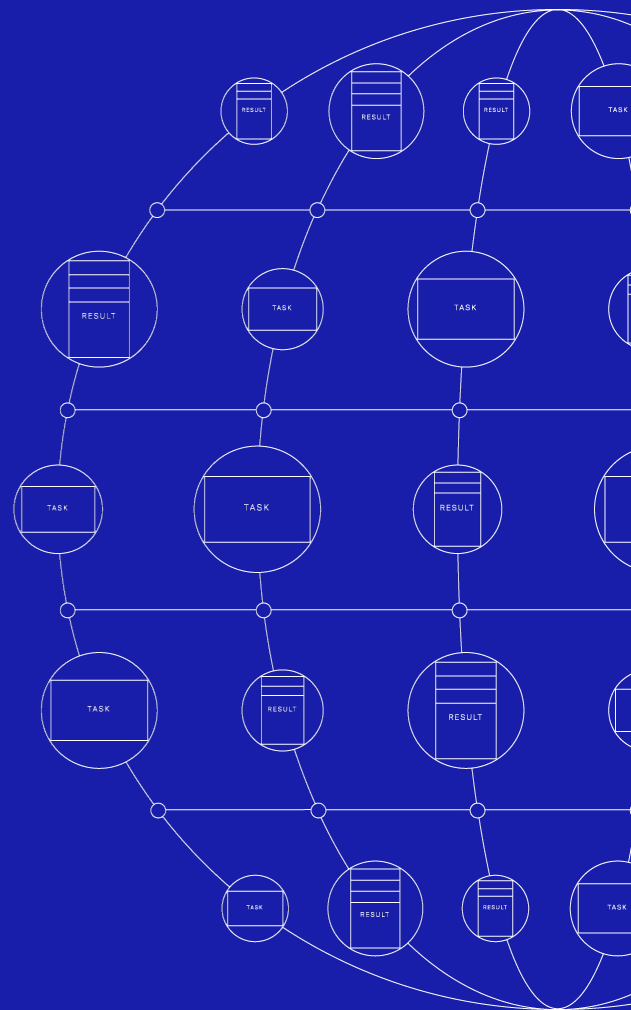
Resource transfer layer

03 _____

Sandboxing

04 _____

Security (Graphene)



An abstract graphic featuring numerous blue spheres of varying sizes, some of which are interconnected by thin, light-blue lines, creating a network-like structure. The background is a solid, deep blue.

**Why should
I choose Golem?**

01 _____

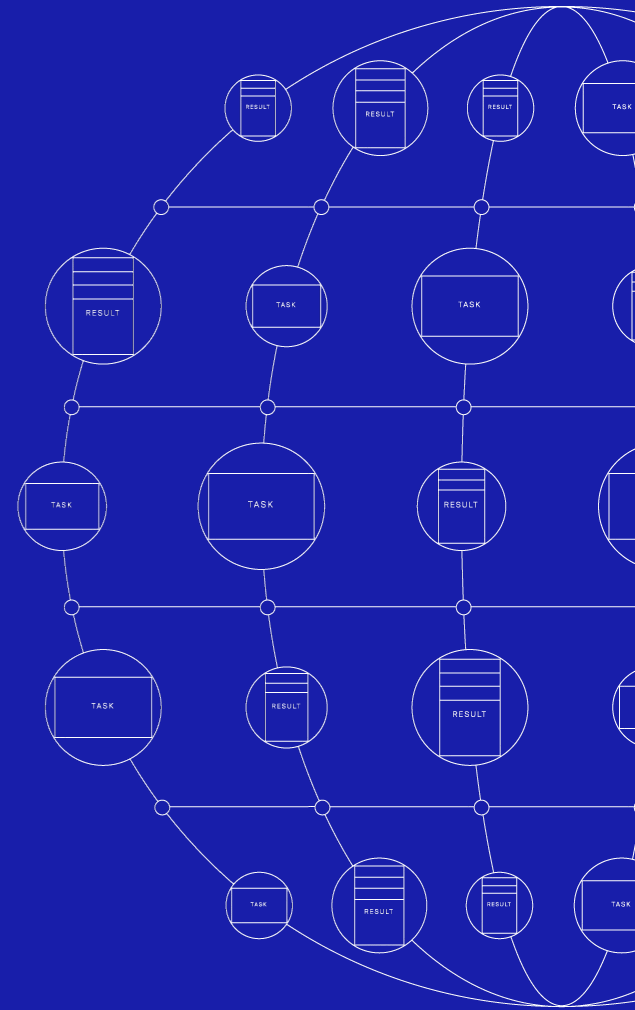
Freedom of choice

02 _____

Ability to choose privacy

03 _____

Prosumer market



An abstract graphic featuring a cluster of blue spheres of various sizes, some of which are connected by thin, light blue lines, creating a network-like structure. The background is a solid, deep blue.

**What end game
looks like?**

The logo for the Golem Network, featuring the word "golem" in a lowercase, white, sans-serif font, with the word "NETWORK" in a smaller, uppercase, white, sans-serif font directly below it.

golem
NETWORK



Thank you

SUBSTANTIAL KNOWLEDGE: Maria Paula Fernandez,
edave22, ethereumcpw, PSVjasper99, tandava

DESIGN: Jacek Muszyński

GOLEM.NETWORK