

Threefold Grid Marketplace 2.2 Handbook

Aug 16 2020
Sasha Astiadi
Product Management
sasha@threefold.io



/ Handbook Index

- [TF Grid: Where Are We Now?](#)
- [Mainnet vs Testnet Marketplace](#)
- [What is TF Grid Marketplace](#)
- [Introducing: Capacity Pool \(Testnet\)](#)
- [Marketplace's End-user Solutions](#)
- [Marketplace's Advanced Solutions](#)
- [User Journey Map & Links to Manual](#)
- [Resources and Support](#)



/ TF Grid: Where Are We Now?

Release Stats (Aug 2020)

Threefold Grid

Current: [TFGrid 2.1.0](#)

Next: [TFGrid 2.2.0](#)

TF Grid Marketplace

[Mainnet \(2.1\)](#) - Production

[Testnet \(2.2\)](#) - Staging

0-OS

Current: [0-OS V0.3.3](#)

Important Links

[TF Grid Roadmap](#)

[TF Grid 2.1 Manual](#)



In brief, the **ThreeFold Grid** is composed of three different types of networks; **Mainnet** (production), **Testnet** (Staging), and **Dev** (Development).

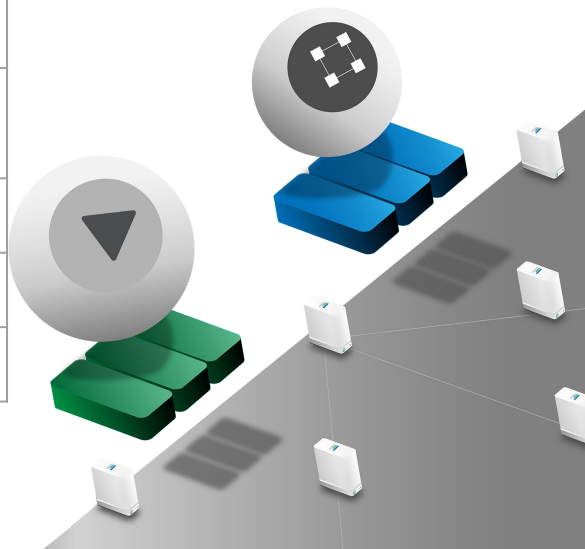
The latest versions of 0-OS (TF Grid's operating system) and their associated new features are first deployed for testing to the 'dev' and 'testnet', before being released on the 'main' grid. Any farmer and partners are able to choose to run their node on any of the 3 networks, by configuring their 0-OS boot process accordingly.

With the current released alpha version of TF Grid 2.1, we've been working hard to make it even easier for projects to deploy solutions on top of the grid with the new [TF Grid Marketplace](#) (on mainnet); enabling projects to deploy solutions on a hosted environment.

Our next release - TF Grid 2.2 - will include certain exciting features like **the Capacity Pools**- where you could order IT capacity on the dashboard for your project directly from the farms. This feature is currently only available on the [TF Grid Marketplace](#) (testnet), and this is where we hope you could contribute as a [Testnet alpha tester](#) and try to build your solutions on.

/ Mainnet vs Testnet Marketplace

	Testnet (TF Grid 2.2)	Mainnet (TF Grid 2.1)
Domain	staging.marketplace.threefold.me	marketplace.grid.tf
Capacity Pool	Yes	No
0-OS	V.0.3.3	V.0.3.3
Purpose	Testing Environment for next release	Functional Blockchain
Transaction	Fake transaction	Real, stored on actual blockchain
Token	FreeTFT (poses no monetary value)	TFT, TFTA (posses real values)
Cost	No cost	Paid using native tokens
Farming	No economic benefit	Incentivized to earn real tokens



/ What is TF Grid Marketplace?

[ThreeFold Grid Marketplace](#) is an inventory platform of hosted open source solutions built on top of ThreeFold Grid, easily launched by connecting your 3Bot (virtual system administrator) to the dashboard.

Its main goal is to enable a simplified solution-deployment for on top of the TF Grid's peer-to-peer cloud, without the necessity of knowledge on rails or Linux shell. With the Marketplace, anyone should be able to deploy their solutions and projects on top of the TF Grid.

Important Links:

[TF Grid Marketplace 2.2 \(Testnet\)](#)

[TF Grid Marketplace Github Repo](#)

[TF Grid Alpha Tester Telegram Group](#)

[TF Grid Marketplace 2.1 Manual \(Production\)](#)

[TF Grid Marketplace 2.1 Manual Github Repo](#)

The ThreeFold Grid: A High Level Introduction

Break down big data centers into mini- and micro- independent Capacity Farms everywhere.

Achieve scalability, cost advantage and security* by removing human from administration and maintenance.

Connect Farmers into a distributed and neutral capacity network, the ThreeFold Grid with Blockchain.

Enable peer-to-peer capacity exchange with a token. Spread ownership of the Grid by maximizing asset backing.

Originally the internet was intended to be fully peer2peer, today thats not the case. Few datacenters in centralized locations deliver all the capacity for the current internet. This capacity is mainly storage & compute capacity. ThreeFold wants to restore this situation.

The ThreeFold Grid is a platform on which any internet experience (or service) can be built on.

- Any application which can run on linux (which is +- all) can run on top of the TFGird.
- There are already more than 20 projects who are committed to run their workloads on top of the TFGird.

A dedicated digital currency called TFT has been created to allow anyone to sell/buy this IT capacity (Storage,Compute, Network).

The ThreeFold grid is active today has:

<https://staging.marketplace.threefold.me/marketplace/#cryptpad>

TF Grid Marketplace 2.2 (Testnet) Dashboard
staging.marketplace.threefold.me

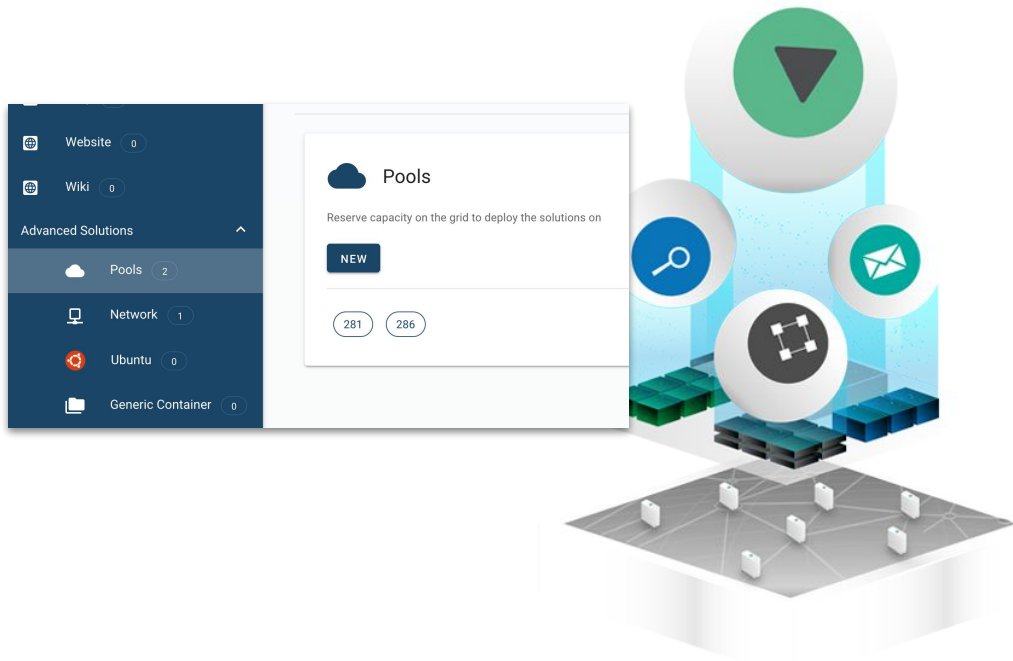
/ Introducing: Capacity Pool (Testnet)

Capacity Pool is one of the most exciting features made available on **TF Grid 2.2 (Testnet)** version- A feature to reserve capacity on the grid to deploy your solutions on.

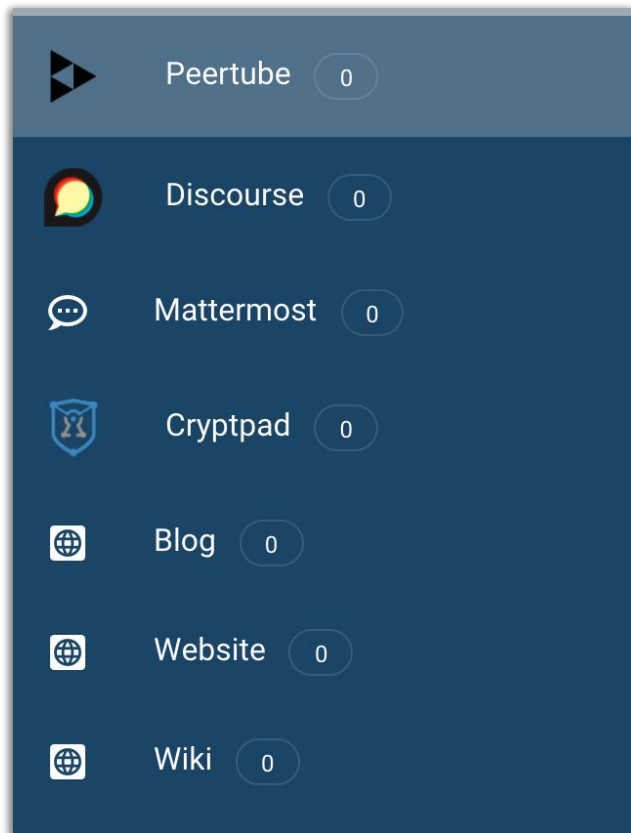
Within just a few clicks, you will be able to reserve IT Capacity for your projects directly by creating multiple capacity pools.

You could directly order the capacity from your chosen farms, simply by putting the amount of Storage Unit (SU) and Cloud Unit (CU) you need, and direct payment for your reservation on the wizard. You will be able to also extend your current capacity pool to a larger quote once it's activated.

You could now already try to reserve IT Capacity by using FreeTFT on TF Grid Marketplace 2.2 (Testnet). [Click here](#) for more info.



Marketplace's End-user Solutions



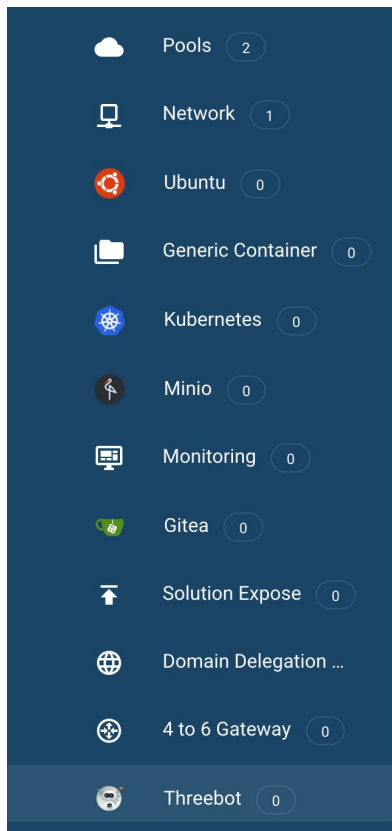
End-user solutions

Say goodbye to centralized cloud hosting. Of whether you need a P2P alternative to a website, a forum, or a video platform for your project; by connecting your 3Bot ID to the Marketplace 2.2 (testnet) dashboard, you could now become your own server and deploy these **open-source solutions** on TF Grid:

- **Peertube:** is an open-source video platform that uses peer-to-peer tech to reduce load on individual servers when viewing videos.
- **Discourse:** is an open source forum built to educate members about civil community engagement.
- **Mattermost:** Mattermost is an open source Slack-alternative messaging platform that enables secure team collaboration
- **Cryptpad:** CryptPad is a fully-secured, encrypted alternative to popular office tools and cloud services.
- **Blog:** P2P alternative to Tumblr or Blogspot.
- **Website:** P2P alternative to centralized cloud-hosted websites. Host your own website with access via an IP and a public domain.
- **Wiki:** Host your own wiki with access via an IP and a public domain.

Marketplace's Advanced Solutions

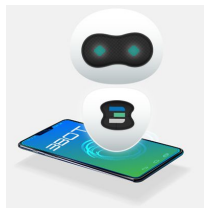
Advanced solutions



- **Pools:** The most exciting development from 2.1 version- A feature to reserve capacity on the grid to deploy the solutions on.
- **Network:** Deploy a network on the grid and to connect your solutions together.
- **Ubuntu:** A free and open-source Linux distribution based on Debian. This package is used to deploy an ubuntu container from an official flist on the grid using a chatflow.
- **Generic Container:** Spawn a container using specific flist provided by the user in the chatflow.
- **Kubernetes:** Deploy a Kubernetes cluster with zdb using a chatflow; a full-blown kubernetes cluster on the TF grid.
- **Minio:** MinIO is a high performance object storage. Deploy a machine with MinIO along with the number of zdb's needed for storage.
- **Monitoring:** a monitoring system that includes Prometheus, Grafana, and redis
- **Gitea:** Self-hosted Git service. It is similar to GitHub, Bitbucket, and GitLab.
- **Solution Expose:** expose a deployed solution using the web gateway
- **Domain Delegation:** point your domain to a capacity pool / gateway.
- **4 to 6 Gateway:** provides access to IPv6 addresses for users with IPv4 networks only through a Wireguard tunnel.
- **3Bot: Hosted 3Bot** - deploy your 3Bot on a container.

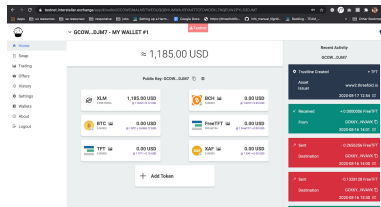
User Journey Map & Link to Manual

#1 Sign up for a 3Bot ID



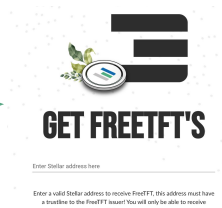
via the **3Bot Connect App**. Get it via [Google Store](#) or [Apple Store](#)

#2 Get a Stellar Wallet



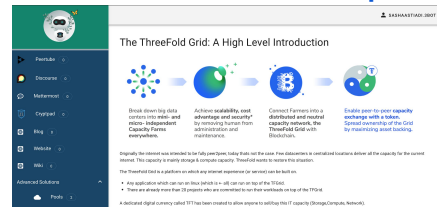
sign up on [Interstellar Wallet](#) by using your 3Bot

#3 Claim your FreeTTF



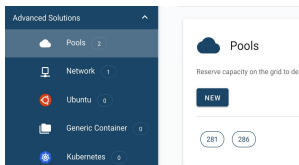
Get [FreeTTF](#) to 'buy' IT capacity by sending it to your wallet address. Follow the manual [here](#)

#4 Launch the Marketplace



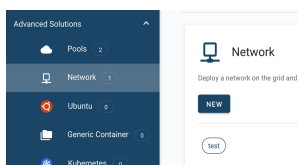
Launch the [Marketplace](#) by connecting your 3Bot ID

#5 Reserve IT Capacity



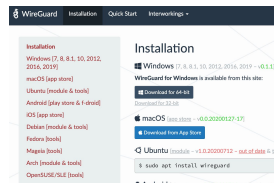
Reserve IT Capacity (testnet-using FreeTTF) for your project. Manual coming soon.

#6 Deploy a Network



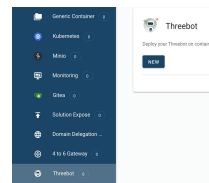
Deploy your first network to connect your solutions together. Follow the manual [here](#).

#7 Set Up Wireguard



Download WireGuard [here](#). A general purpose VPN for running on embedded interfaces. Follow the manual [here](#).

#8 Get a hosted 3Bot



Get a hosted 3Bot, your virtual system administrator via the Marketplace. Follow the manual [here](#).

/ Resources and Support

Telegram Channels

- Join [TF Grid 2.2 Alpha Testers](#): Chatroom for projects interested in deploying solutions on TF Grid 2.2
- Join [0-OS Chatroom](#): Technical discussion about 0-OS
- Join [Threefold News](#): Get Threefold's latest updates

General

- [Threefold Grid Manual](#): Technical Manual on TF Grid 2.1. Manual on TF Grid 2.2 coming soon.
- [Threefold Forum](#): General room for discussions on Threefold community, products and services.
- [Threefold Helpdesk](#): read FAQ and Chat with our support team.
- [Threefold Grid Website](#): Learn more about Threefold Grid
- [Threefold Foundation Website](#): Learn more about Threefold Foundation.