



ELF MASTERS

..... エルフマスターズ

WhitePaper

Version 1.1



ELF Masters White Paper

Ver1.1 | 2022.06.24

01 | Introduction

02 | ELF Overview of Elf Masters

- 2.1 World view of ELF Masters
- 2.2 Dungeon exploration, world exploration
- 2.3 Battle system
- 2.4 Metaverse (colony) system

03 | Token design

- 3.1 Palette token (PLT)
- 3.2 Usage of tokens
- 3.3 Token economy
- 3.4 How to get PLT

04 | NFT design

- 4.1 Overview of Master NFT / Elf NFT
- 4.2 Character growth system
- 4.3 Scholarship function
- 4.4 NFT Marketplace
- 4.5 NFT rarity

05 | Roadmap

- 5.1 The future image of ELF Masters

06 | Project team

07 | Information

08 | Disclaimer



Introduction

"ELF Masters" is a fantasy adventure type blockchain game woven by spiritual elves and beautiful girl masters. Players own elves and masters, and by exploring, fighting, and nurturing, they can explore the magical world where elves live with their characters.

This game has an ecosystem of "Play to Earn", which is the real thrill of blockchain games including NFTs and tokens, and players can earn tokens by contributing to the game. Elves and masters in the game and several other items are NFTs that can be owned, transferred, sold, etc. Scholarships that lend NFTs to other players are also feasible, and you can create a community starting from NFTs and participate in the game.

ELF Masters is a completely original title of the game studio "Hash Games", and it is a game that Japanese users can play with peace of mind, not only with attractive characters and game design, but also with compliance with Japanese laws and regulations.

This white paper introduces the world of ELF Masters, game features and elements, and token economics that incorporate blockchain technology.



Overview of ELF Masters

2.1 | World view of ELF Masters

Sky, sea, forest-there is a magical world where a mysterious elf and his master, ELF Master, lives. They form a community in the colony, which is a living space, and live in harmony in abundant nature full of magical energy.



Under such circumstances, many monsters that absorb magical energy excessively are occurring here and there. The monsters expanded their power, attacking the elves who originally lived in the colony, and began to rob the territory. As the number of monsters increased, the balance of magical energy in the world became unbalanced, and natural disasters such as tornadoes and volcanic eruptions began to occur in various places.

Elves and masters confront an army of evil monsters to regain the peaceful world of spirit elves. To overcome strong enemies and harsh trials and protect the hometown of the elves.



2.2 | Dungeon Exploration, World Exploration

2.2.1 Dungeon exploration

In the adventure of the magical world, you will explore multiple areas called "dungeon". With the Elves and Masters, you can explore the fields of the dungeon and enjoy exploratory elements such as the randomly appearing monster, treasure box, and other various events.



Dungeon map

There are several worlds in the dungeon, and players can choose which world to explore. Players can earn tokens by battling monsters and exploring dungeons.

■ Party

One party consists of three masters. A party can include up to three elves to make a party of six. Both masters and elves are considered a single NFT, and a party requires three master NFTs.

■ Stamina

Exploring a dungeon consumes stamina. The amount consumed depends on the dungeon to be explored, and the upper limit of stamina depends on the number of NFTs in your possession. It takes a certain amount of time to recover, and there is a cap on the amount of stamina that can be recovered per day, so you will need items to recover stamina to explore more dungeons.

■ Action Power

Exploring a dungeon consumes action power. Each master NFT has a fixed limit and requires a certain amount of time to recover, and since there is a daily limit to the amount of activity power that can be recovered, more items and master NFTs are needed to recover more activity power to explore more dungeons.

■ Items

When you clear a dungeon, you can retrieve items such as those obtained from battles or treasure boxes and take those items back with you. If your party is wiped out, you will not receive your acquired items. To clear a dungeon, it is important to keep the character's stamina up while exploring the dungeon.

■ Token Points

Token points can be obtained from battles and treasure boxes. If your party is wiped out, you will not receive the token points you earned. Token points are stored in the player's box. The box can be opened the next day and tokens can be obtained from inside.

To clear the dungeon, it is important to proceed with the dungeon exploration while maintaining the physical strength of the character.



2.2.2. Dungeon map

The player can select the search route from the top, bottom, left and right in the dungeon. Let's set your strategy while looking at the map to capture the dungeon.



Dungeon exploration

There are many events in the dungeon, such as battles with monsters and treasure boxes. The following events occur randomly as a dungeon search element, and the reward content changes according to the search.



【Event】

1. Encounter with monsters

When you encounter a monster in the dungeon, the battle begins. Since there are various types of monsters, the key to the strategy is the compatibility with the character's attributes and skills. Use your elf and master skills to lead the battle to victory. Use the characteristics of the elves and the skills of the master to win the battle.

You can get experience points for characters by defeating monsters. If the monsters are strong, grow your character in a simpler dungeon.

2. Discovery of treasure box

You may find a treasure box while exploring the dungeon. Items are contained in the treasure box and can be used for character development and strengthening.

There are two types of treasure boxes that can be obtained when clearing and exploring.

- **Treasure box at the time of clearing**

- **Initial reward** : Set of items such as token points, energy recovery, character enhancement, etc.
- **Regular reward** : Set of items such as token points, energy recovery, character enhancement, etc.
- **Treasure box under exploration**
- **Reward** : Items such as health recovery and character enhancement

3. Acquisition of items

There may be items in the drop or treasure box when you defeat a monster. Magic stones, potions, and materials exist as items.

- **Magic stone** :It can be used to enhance a character's abilities.
- **Portion** : You can recover the character's physical strength (HP).
- **Material** : It can be used in situations such as item production, character growth, and evolution. There are different types of materials depending on the purpose.

【Search score】

There are 3 scores below in the search. The higher the number of achievements for each score, the better the reward.

1. Stage clear
2. Clear by survival of all parties
3. Explore all rooms



Dungeon selection screen

2.2.3 World exploration

In World Exploration, you can explore multiple worlds such as forests, seas, deserts, and cities in the magical world. It will be a mode where you can play while enjoying the world of elves and masters.

The world map consists of innumerable blocks, and players can freely move and explore on the world map. In addition to the exploration elements like the dungeon map, you can explore the unknown world such as discovering mysterious ruins.

In World Map Exploration, you can get equipment items that can change the appearance of elves and masters.



World exploration

2.2.4 Goddess's Blessing - Coming soon

2.2.5 Eternal Tower - Coming soon

2.3 | Battle system

2.3.1 Battle type

In ELF Masters, there are monster battles where you fight monsters in dungeons, and player battles where players improve their abilities. The two battle systems have a lot in common, and you can also use your strategy in monster battles in player battles.

■ Monster battle

While adventuring in a dungeon, you may be attacked by invading a monster territory. Each monster has various skills, and the attack method differs depending on the race.

In the monster battle, the time limit when selecting the action of the player is unlimited, so you can take time to predict the attack of the monster and decide the action of the elf and the master.

Defeating monsters will grow the elves and masters, leading to power-ups. Items are dropped on rare occasions, such as during events, and can be obtained as NFTs when clearing dungeons.

■ Player battle (Arena)

In player battles, you can play against other players' parties. To test the power of the party, the character's status will be set to level 1.

In player battles, there is a time limit when selecting an action, so it is necessary to decide the strategy within the limited time.

Build a strategy from the party composition of the elf and the master, the combination of skills, the skill information of the opponent, etc., and lead to victory.

* See Chapter 4 for details on elf and master skills



2.3.2 Common battle system

Both monster battles and player battles have a common battle system. The basic battle flow and system are as follows.

■ Turn-based

The battle is turn-based, and the development changes greatly depending on the player's strategy. At the beginning of the turn, the player can use the skill card in his hand.

After completing the card selection, the action is performed in the order of the speed value, which is one of the character's stats, and the turn ends when all the characters on the field finish the action. Turns are also repeated until the winner of the battle is determined.

■ Skill card and Characteristics

Masters have four skill cards and elves have one characteristic. Skill cards are used to determine a character's actions in a turn. Skill cards are grouped in a deck, and three cards are added to the hand from the deck at the start of each turn. The deck consists of 24 cards, with 6 cards in hand at the start of the battle.



Battle image

■ Mana

Mana is required to use the card. The maximum value of mana is 10 points, which is recovered over the course of a turn.

At the beginning of the turn, a certain amount of mana will be restored. Mana required for each skill card is different, so it is important for the player to manage mana for each turn.

■ Status

A parameter, which is a status value, is set for each character. The battle situation changes depending on the strength of the status. Even characters with similar skill cards have different stats, so there are a wide variety of battle and party possibilities. Below are the details of the status.

- **HP** : The physical strength of the character. When it reaches 0, you will not be able to act in the field.
- **Power** : Attack power. Affects the damage done during continuous attacks.
- **Speed** : The speed of action on the turn. The higher the number, the priority you can use the skill.
- **Critical** : The rate of critical hits in a battle. If you make a critical hit, the damage done to your opponent will increase.
- **Combo** : Additional damage is generated when the same character uses a series of skills. The higher the parameter of the combo, the greater the inflicted damage.



Battle victory screen

2.4 | Colony (metaverse) system

The colony is a living space for spirit elves and master masters. It's an empty space at first, so let's create a space where elves and masters can spend comfortably.

You can set up buildings and grow plants in the colony, and you can freely customize it to your own original colony. By installing your own NFT, you can get additional effects such as speeding up the game to clear the dungeon crawl. There are many other effects on gameplay by developing colonies. In addition, we aim to be a metaverse economic zone where colonies can interact with each other, and users can voluntarily conduct business and hold events within the community.

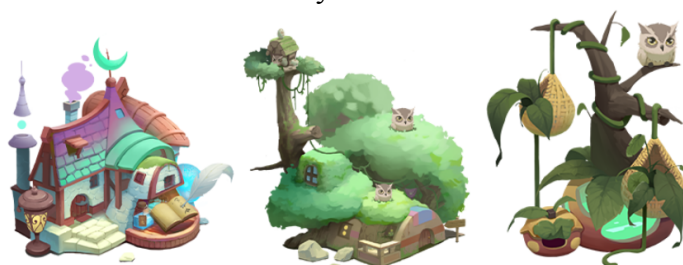


Image of colony

In-game Token Design

3.1 | Palette token (PLT)

ELF Masters adopts the Palette blockchain as the blockchain and uses Palette tokens (PLTs) and NFTs as in-game tokens.

Palette is an NFT specialized blockchain project with "Blockchain for NFT". PLT, a token on the Palette chain, is issued to sustainably maintain the Palette ecosystem.

The Palette project aims to expand Japan's proud entertainment content industry globally through blockchain technology by establishing a usage base for two new assets, NFTs and tokens.

Palette blockchain, which is a layer 1 blockchain, implements cross-chain technology that connects different blockchains. It is also possible to transfer NFTs issued by the Palette chain to other blockchain networks such as Ethereum.

In the future, we aim to expand the ecosystem by using NFTs in the fields of manga / anime, art, music, sports, and games.



3.1.1 PLT Token Specification

Token standard	PRC-20 (Cross-chain to Ethereum Cain available)
Currency name	Palette Token
Symbol name	PLT
Total number of issues	1,000,000,000 PLT

3.2 | Usage of tokens in the game

PLT in ELF Masters has many use cases.

■ **Buying and selling master NFTs**

The master, who is the main force in the battle, expands the range of tactics of the player. He needs three bodies per party, and you can enjoy the battle with new combinations of attributes and skills.

Also, since the master is also a collectible NFT, you can enjoy collecting it and making it an icon of his SNS or observing how you live in the colony.

**Levels will be carried over after the sale or purchase.*

■ **Buying and Selling Elf NFTs**

The player can put lovely spirit elves that support masters into your party.

Each elf has a different buffing effect on the master, so you may find unexpected combinations that strengthen the master.

■ **Creating Item**

You can create items that are useful in the game. For example, if you create a potion that can restore your energy, you will be able to explore more.

■ **Fatigue recovery**

Each elf and master has a fatigue level, and when fatigue exceeds a certain level, rewards become gradually unobtainable. To recover, tokens such as PLT are required, and by recovering regularly, it is possible to explore while earning more rewards.

■ **Status distribution**

The maximum level for both masters and elves is level 60. As they level up, they gain status points, which can be allocated to their status.

In order to allocate status points, tokens such as PLT are required, and the amount of tokens required increases as the player's level increases.

■ **Colony staking fee**

Used to pay for fees incurred when staking NFTs in a colony.

■ **Right to vote for in-game governance**

Master NFT / Elf NFT owners can vote on proposals for in-game content, depending on the amount of PLT they have, aiming for community governance. For example, suggestions for improving master / elf skill effectiveness and adding new content.

**Details of specific governance methods will be released at a later date.*

3.3 | Token Economy

■ Ecosystem Overview

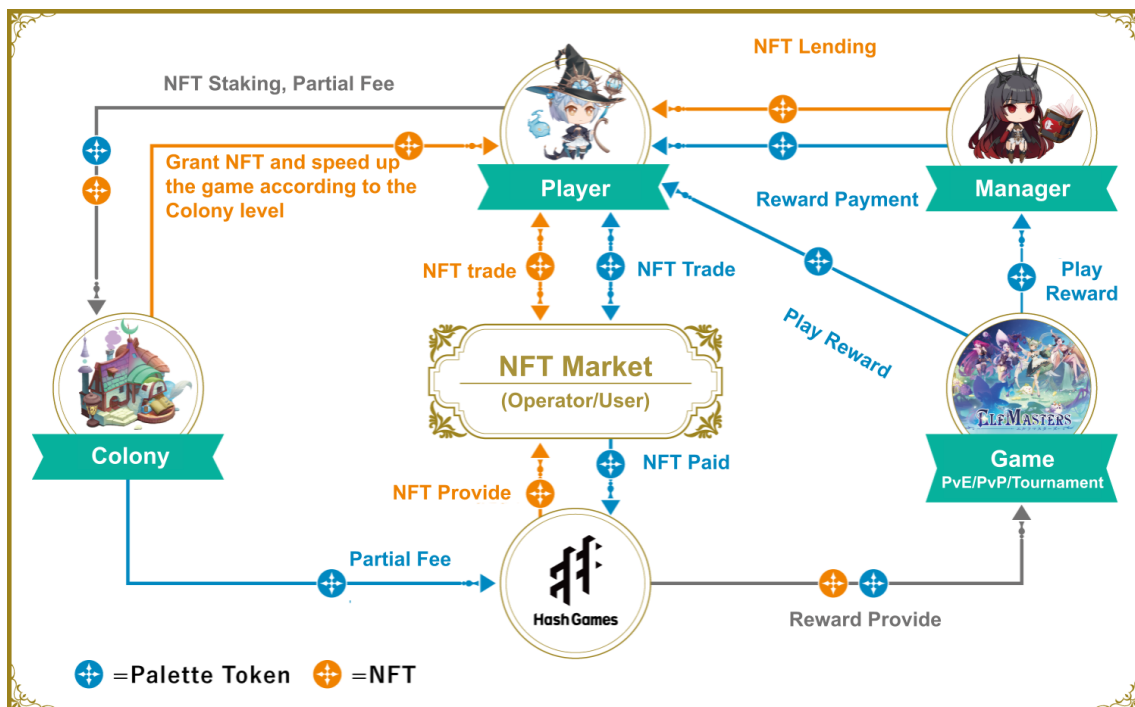
The tokens PLT and NFT are an ecosystem that circulates between the operator HashGames and the users.

We aim to create a structure that allows players to enjoy the game, contribute to the economic zone of ELF Masters, and expand voluntarily.

Players can play games using their own NFTs or rent and borrow NFTs between players with the scholarship feature.

By forming a community and a game guild to play ELF Masters together, we aim to build a community of players that transcends the boundaries of the game.

In the initial stage of the service, we plan to use PLT as a reward that can be earned by the game, but we also envision the issuance of unique in-game tokens in stages.

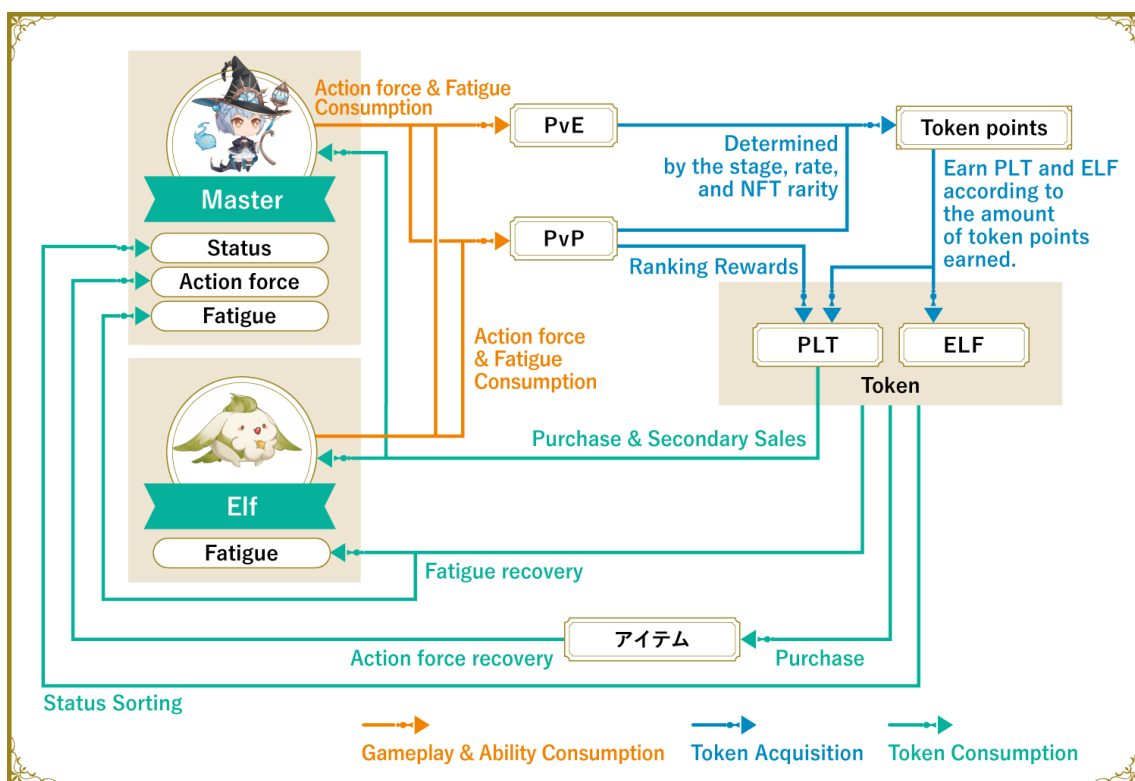


ELF Masters Token Economy

■ In-Game Ecosystem

Users can also experience the following in-game token economics.

- Earning token points in PvE and PvP
- Earning tokens such as PLT and ELF depending on the amount of token points
- Allocating status point using tokens
- Creation of items using tokens
- Recovery of action power by items
- Consuming tokens and recovering from fatigue
- Earning ranking rewards in PvP
- Use in other functions through updates



ELF Masters in-game token economy

3.4 | How to get PLT

There are two ways to get the PLT to use with your ELF Masters NFT purchase.

■ How to get it on the crypto asset exchange

1. Buy PLT on the exchange
2. Download PLT Wallet
 - iOS : <https://apps.apple.com/us/app/id1581055631>
 - Android : <https://play.google.com/store/apps/details?id=com.palettechain.wallet>
3. Send PLT from the exchange to the PLT wallet

■ How to get in gameplay with scholarship feature

1. Download PLT wallet
2. Borrow / lend NFT with scholarship function
3. Earn PLT through gameplay

**The implementation flow of the scholarship function is described later in Chapter 4.*

[Reference] How to use the PLT wallet : <https://is.gd/X3dB1y>



Palette Chain original wallet "PLT wallet"

NFT Design

4.1 | Overview of Master NFT / Elf NFT

4.1.1 Master NFT

Masters who are the masters of spirit elves come from different worlds, so there are various types of masters depending on the combination of attributes, equipment, and parts. Learn more about master NFTs.

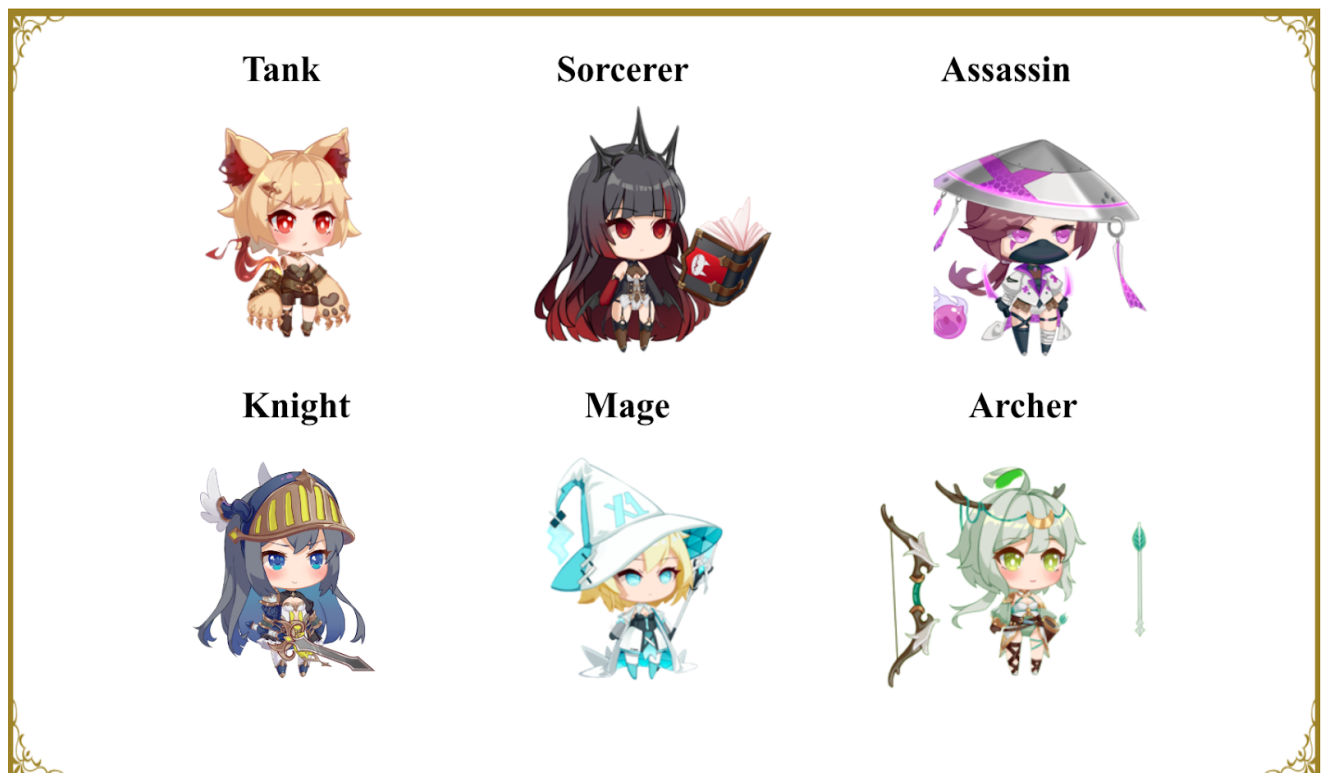
■ Role

The Master NFT acts as the main character in battle. During game play, three master NFTs are required per party, and up to three additional elf NFTs can be added, as described below.

■ Job

Master NFTs have one of the six professions of Night, Assassin, Sorcerer, Mage, Archer, and Tank. The status that is easy to grow depends on each job.

For example, a tank with a high HP parameter is suited for long-term battles, an assassin with a high speed can drastically change the battle situation with a critical hit, and a sorcerer with a high attack power and combo parameter can specialize in attacks.



■ **Attribute**

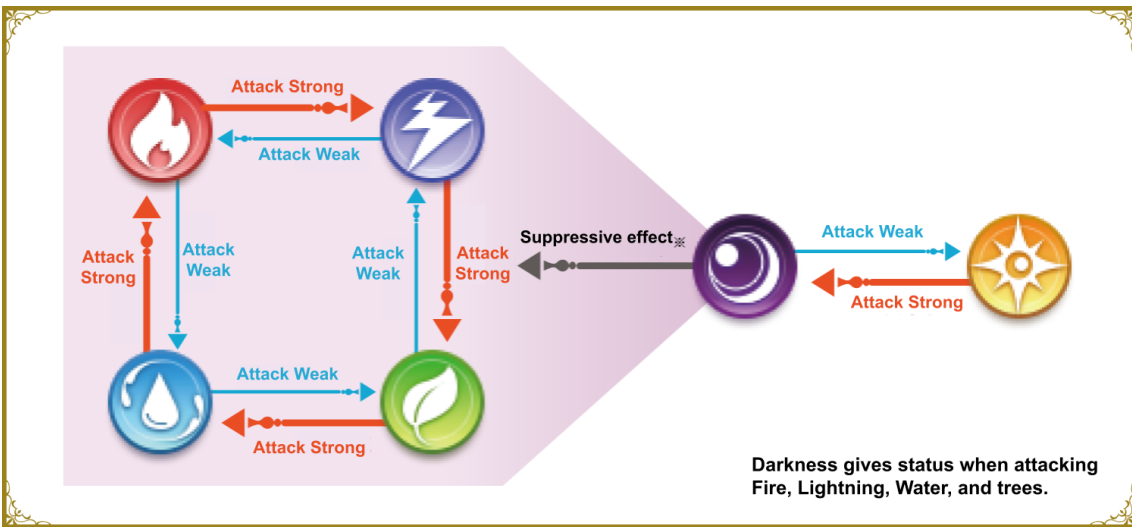
Master NFT has one of the six attributes of water, fire, lightning, wood, light, and darkness. Attributes are determined by the number of parts with the same attributes.

■ **Attribute compatibility**

Each attribute has a strong and weak relationship. The relationship is shown in the figure below.

Attack on compatible attributes: Increases damage by 15%

Attack on incompatible attributes: Damage is reduced by 15%



■ **Parts**

There are 5 parts (accessories, weapons, body, hairstyle, face) in the parts, and you can freely combine them. Each part has six different attributes which produces countless combinations.



Number of parts for each part of each attribute

■ Skill

There are 24 skill cards for each attribute, and you can select the skill suitable for your character and combine it with your equipment.



An example of a master NFT

■ Status

Parameters differs based on each job

Occupation	HP	Power	Speed	Critical	Combo
Tank	S	C	B	C	A
Sorcerer	B	A	C	C	S
Assassin	C	B	S	S	B
Warrior	A	S	B	B	C
Mage	C	S	C	A	C
Archer	B	C	S	A	B

4.1.2 ELF NFT

Spirit elves mainly support masters. Since each elf has a different auxiliary effect, you may find a surprising combination with the master.

Elf NFT serves as a support for master NFTs and varies in form depending on the level. In the final form, the third form, it will be possible to attack the enemy with the master NFT. The game can be played with only the three aforementioned master NFTs, but having an elf in the party increases the likelihood of being able to conquer the higher difficulty stages.



An example of an elf NFT

4.2 | Character growth system

Master elves appearing in the game can gain experience points and level up through adventures and battles.

■ Character level

The maximum level for both masters and elves are 60. By leveling up, you can earn status points and assign them to status.

You need to earn "experience points" to raise the level. Experience points can be earned in the following ways.

- Defeat monsters in monster battles
- Defeat the opponent character in the player battle
- Use of Items

■ Status points

The distribution of status points for each character can be selected by the player. The increased status due to level up will give you an advantage in monster battles.

The amount of tokens, such as PLT, required to distribute status points increases as the level increases. On the other hand, in player battles, there is no effect of increasing stats due to leveling up. In player battles, you need to formulate strategies based on base stats, skill cards and combinations of elves and masters.

■ Master's talent - Coming soon

■ Magic Stones - Coming soon

4.3 | Scholarship Function

4.3.1 Scholarship

The scholarship function is a function that allows you to lend and borrow master NFTs and elf NFTs between ELF Masters players. This feature allows users who do not own an NFT to play the game.

There are two roles of "manager" and "scholar" in the same function, and each role is as follows.

■ Manager

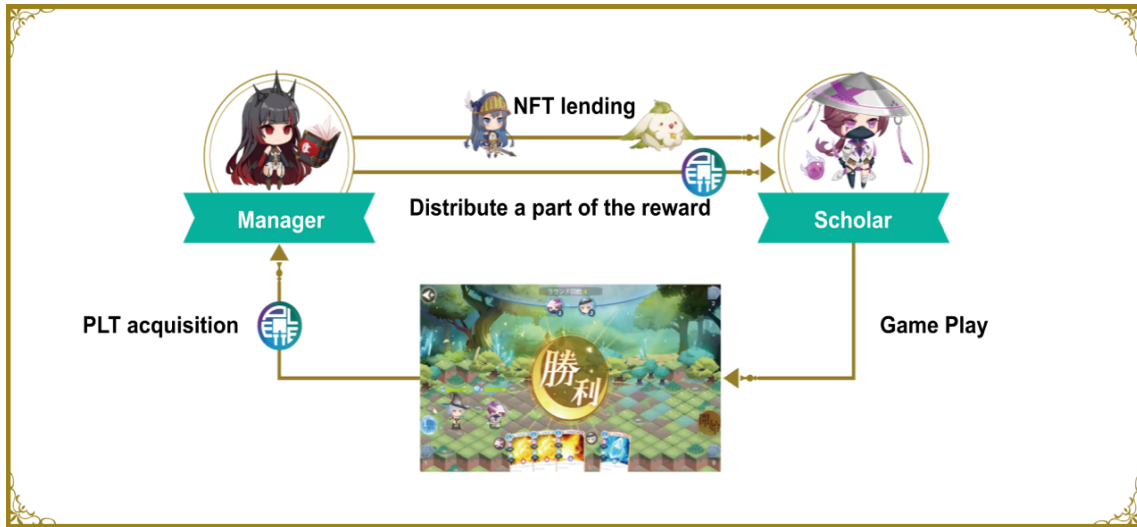
A user who lends NFTs to scholars. By lending the NFT to the scholar, the manager can earn some tokens from the scholar without having to play the game himself.

It is also possible to form a community as a game guild by increasing NFT possession and involving many scholars. By creating a community for the game, you can enjoy it outside the game, such as communication between users and accumulation / sharing of know-how.

■ Scholar

A user who rents an NFT. Scholars can receive a certain percentage of tokens from the manager from the tokens obtained during the rental period. By distributing the earned tokens with the manager, Scholar can play the game and make a first start before organizing elves and master NFTs.

By working as a scholar in a game guild or scholarship community, you may be able to borrow a powerful combination of NFTs or be approached by your manager as a coach to advise other scholars.



About scholarship function

4.3.2 How to use a scholarship

1. Create a wallet for scholars and move the ELF and Master to the wallet.
2. The manager creates a game account for the scholar, connects the wallet for the scholar, and sets the password.
3. The manager shares the ID and password with the scholar.
4. The scholar uses the manager's ID and password to log in and play the game.
5. The manager transfers some tokens to the scholar as a reward when the scholar earns rewards, etc.

4.4 | NFT Marketplace

The NFTs used by ELF Masters will be sold at the ELF Masters official marketplace, PLT Place. However, for some sales, such as campaign projects, sales will be made on external marketplaces such as OpenSea. In addition, Master NFTs and Elf NFTs can be purchased on "PLT Place" and will be available for secondary sales in the future.

Master NFTs and Elf NFTs purchased outside of the Palette Chain can also be used in-game and for secondary trading, which will be implemented in the future, by bridging through the Palette Chain's cross-chain function.



NFT sales site "PLT Place"

4.5 | NFT rarity

Elf NFTs and Master NFTs each have their own rarity. The higher the rarity, the more luxurious the appearance and the production at the time of battle, and the stronger the status at the time of monster battle, the faster the speed to clear the dungeon will be. Also, as a collectible NFT, it is possible to collect rare NFTs with high rarity and NFTs that look good.







4.5.1 Master NFT

There are six rarities of masters as follows.

Rarities above R (rare) can earn tokens through gameplay. The higher the percentage of high rarity masters in the party, the more rewards you can earn. For example, using three MR masters will yield more rewards than a party with one MR master and two UR masters.








Also, the higher the rarity of a master, the higher his/her basic stats will be, giving you an advantage in the game. As for PvP, adjustments will be made to the basic stats for each rarity level, with the aim of creating a more strategic system.


Rarity of Master	Changes in basic parameters
LR	 120%
MR	 120%
UR	 110%
SR	 100%
R	 90%
N	 80%

4.5.2 Elf NFT

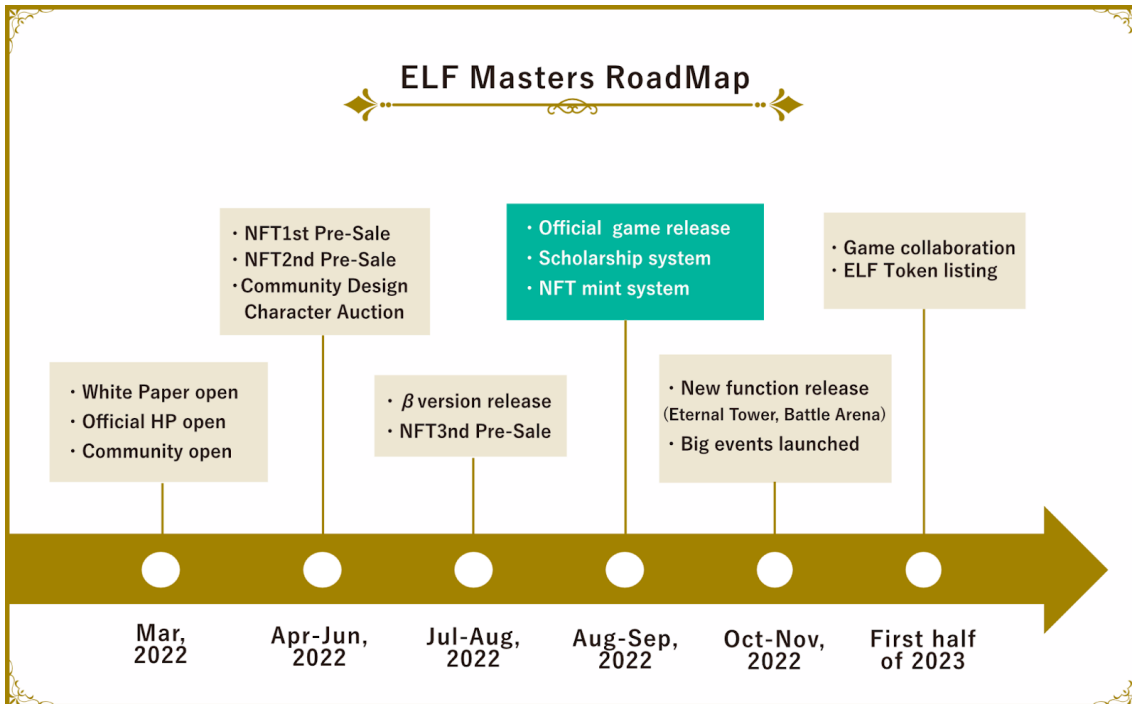
Elves have the following three types of rarities and three forms.

The higher the rarity, the higher the stage of evolution, and in the final form, the third form, the elf himself can participate in the attack.

<p>MR (Master Rare)</p> <p>Can evolve to the third form Reward increases</p> 	<p>UR (Ultra Rare)</p> <p>Can evolve to the third form</p> 	<p>SR (Super Rare)</p> <p>Can evolve to the second form</p> 
<p>R (Rare)</p> <p>Does not evolve Remain in the first form</p> 	<p>N (Normal)</p> <p>Does not evolve Remain in the first form</p> 	

First form	Second form	Third form
 <p data-bbox="290 443 513 497">Provide status buffs to masters</p>	 <p data-bbox="619 443 896 497">Assist the master and demonstrate the battle effect</p>	 <p data-bbox="992 443 1168 497">Attack the enemy with the master</p>

Roadmap



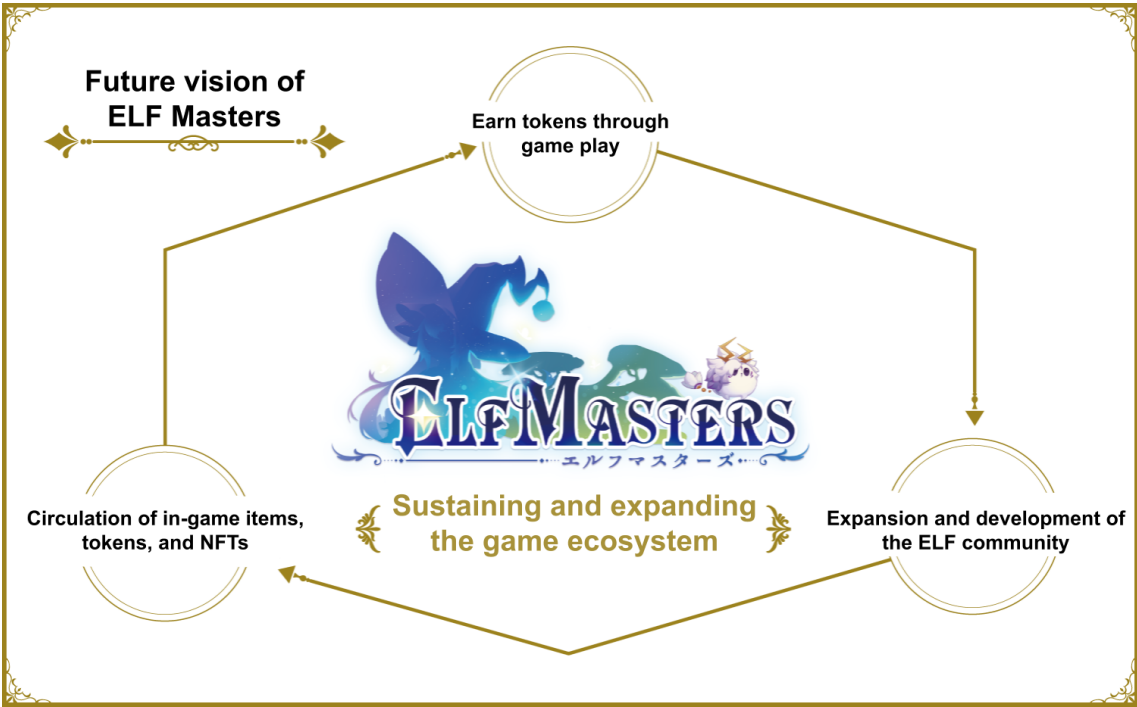
Roadmap

5.1 | The future image of ELF Masters

ELF Masters will be a community-supported project that values the idea of Web3.0, which allows anyone to participate in the community, and build an ecosystem that expands autonomously through the token economy mediated by fantasy games. The team will do the best.

ELF Masters aims to provide a Play to Earn game that everyone can play with peace of mind as a "blockchain game that represents Japan" and Our vision is to build a sustainable game ecosystem that utilizes crypto assets and NFTs.

In the future, by enabling crossing NFTs with multiple blockchain games and allowing HashGames to operate mutually in games that are publishers, all participants such as users, economic zones, and game developers will be connected. Aiming to realize the GameFi platform.



ELF Masters ecosystem

06

Project team

<Project team>



HashPort Inc. CEO
Seihaku Yoshida



HashGames Producer
Tomoya Akaishi



HashGames Director
Masaki Kitsugi



HashGames
Marketing Planner
Keisuke Goto

07

Information

App information

Supported language : Japanese

Operating environment : Smartphone (Android, iOS)

Official link

Official site : <https://elfmasters.com>

Official Twitter : https://twitter.com/ELF_Masters

ELF Sisters Official Twitter : <https://twitter.com/ElfSisters>

ELF Sisters Official TikTok : https://www.tiktok.com/@elf_sisters2022

Community

Official Discord : <https://discord.gg/dakctpmCRQ>

Operator



HashPalette Co., Ltd. (<https://hashpalette.com/>)

Disclaimer

This material is for informational purposes only and does not represent any opinion regarding investment in ELF Masters or other related platforms.

The above information and analysis do not drive investment decisions and require a complete understanding of the risks involved when the user invests. In some countries, there are no clear regulations on blockchain projects and crypto assets, and legal or policy changes can result in the loss of invested capital.

Investors must be fully risk-accepting and responsible for all corresponding outcomes when making decisions. Possible risks include, but are not limited to, government policy and regulatory changes, compliance, business cycles, hacks, technology development delays or failures, management risks, and price fluctuations.

Trading crypto assets carries significant risks and can result in the loss of invested capital. Investors should fully understand the risks involved, taking into account their investment experience and investment goals, and from independent asset management experts as needed, before investing in ELF Masters and other related platforms. Need to seek financial advice.