

Chapter 12

ERC-721 & ERC-1155

ERC-721

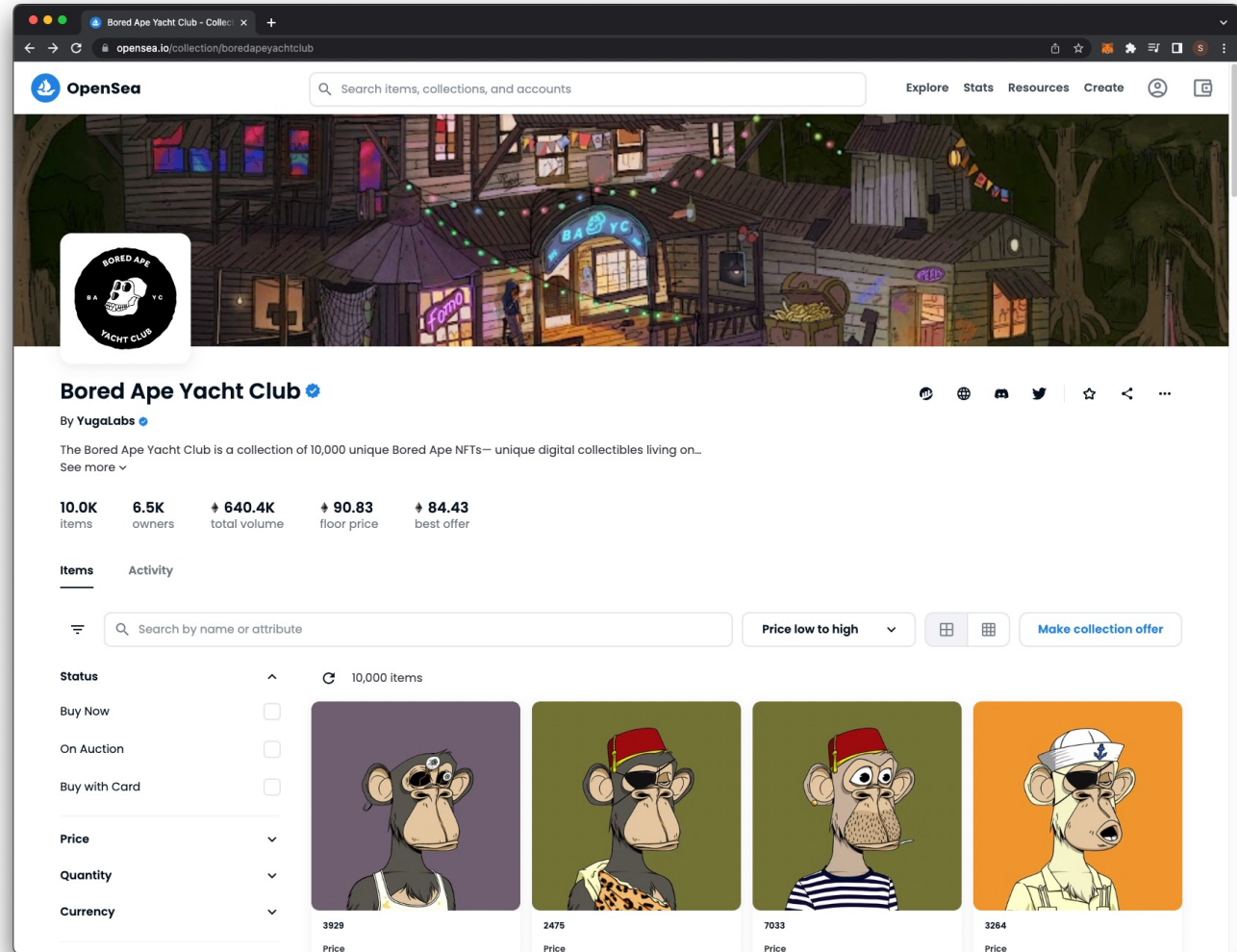
Token ID, Token URL

Contract

NFT 를 발행하기 위해서는 NFT 정보, NFT
소유권, 거래 기록 등이 저장되고, NFT 기능이
수행되기 위한 **컨트랙트 배포 필요**

ERC-721 표준 인터페이스에 따르는 컨트랙트
제작 후 배포 후 NFT Minting

Ex) YugoLabs 에서 발행한 BAYC
컨트랙트 내 10,000개의 원숭이 NFT 민팅



Token

NFT 에는

- (1) 각 토큰의 주인이 누구인지
- (2) 토큰에 대한 메타정보(토큰 이미지, 속성 등)

에 대한 정보가 저장되어있어야 함.

The screenshot shows the OpenSea interface for a Bored Ape Yacht Club (BAYC) NFT. The main image is a cartoon monkey wearing a white tank top. The token is owned by 'PuruKraken' and has 30.2K views and 214 favorites. The current price is 90.825 ETH (\$141,122.98). The sale ends on August 24, 2022, at 11:32am GMT+9. The price history shows a steady increase from around 20 ETH in June to over 90 ETH in May. The 'Offers' section lists three offers from 'SeedOilVentures' and 'luckyoffer.eth'.

OpenSea

Search items, collections, and accounts

Explore Stats Resources Create

Owned by [PuruKraken](#) 30.2K views 214 favorites

Sale ends August 24, 2022 at 11:32am GMT+9

Current price
90.825 (\$141,122.98)

Buy now Make offer

Price History

All time All time avg. price 21.7943

6/2 7/8 8/13 9/18 10/24 11/29 1/4 2/9 3/17 4/22 5/28

Listings

Offers

Price	USD Price	Floor Difference	Expiration	From
84.4279 WETH	\$131,112.31	7% below	about 5 hours	SeedOilVentures
84.2494 WETH	\$130,835.11	7% below	about 5 hours	SeedOilVentures
81.99 WETH	\$127,326.37	10% below	about 18 hours	luckyoffer.eth

Description

By [BoredApeYachtClub](#)

Properties

About Bored Ape Yacht Club

Details

Contract Address [0xbc4c...f13d](#)

Token ID [3929](#)

Token Standard ERC-721

Blockchain Ethereum

Metadata Frozen

Creator Fees 2.5%

Token ID

NFT 컨트랙트 내에는 여러 NFT 가 존재 가능

같은 컨트랙트 내에 여러 NFT 들끼리 구분이 필요

구분하기 위한 식별 값이 Token ID

컨트랙트 주소와 토큰 아이디로 NFT 식별 가능

Ex) 옆 화면은 BAYC 원숭이 NFT (Contract) 의 3429번 (Token ID) 토큰

The screenshot displays the OpenSea interface for a Bored Ape Yacht Club (BAYC) NFT. The token ID 3929 is highlighted in the URL and the 'Token ID' field of the metadata. The listing is owned by PuruKraken and has 30.2K views and 214 favorites. The current price is 90.825 ETH (\$141,122.98). The price history graph shows the token's value over time, with an all-time average price of 21.7943 ETH. A table of offers is visible at the bottom, showing three offers from SeedOilVentures and luckyoffer.eth.

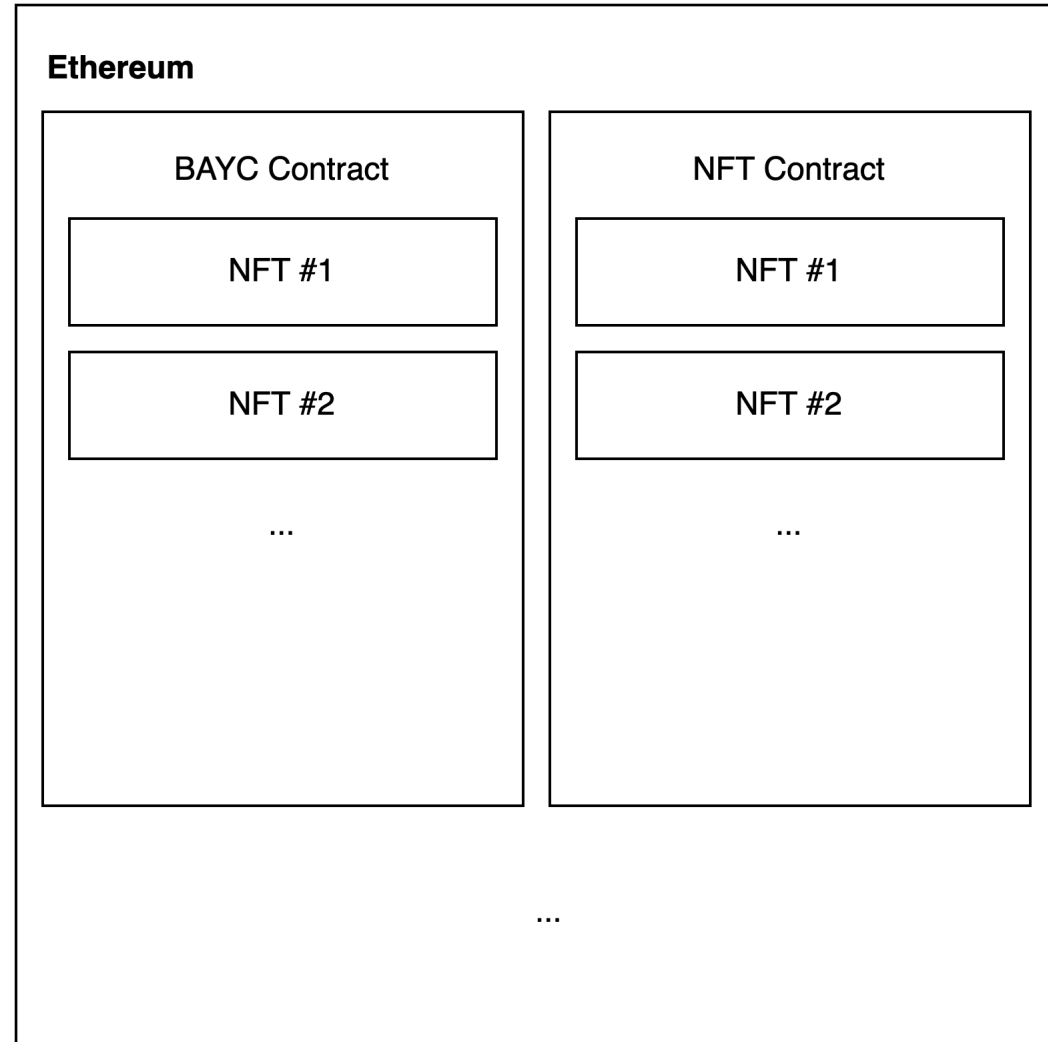
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Token ID

이더리움 네트워크에는 각 프로젝트별로 NFT
컨트랙트가 존재하고,

각 컨트랙트 안에 Token ID 별로 NFT 여러
개가 민팅되어 있음.

따라서 (Contract 주소, Token ID) 로 NFT
구분 가능



Token URI

NFT 의 메타정보가 담긴 URI

NFT 메타정보는

- NFT 이미지
- 영상
- 여러 속성값 (컬러, 옷 종류, 모자 종류 등등)

The screenshot shows the OpenSea interface for a Bored Ape Yacht Club (BAYC) NFT. The main image is a cartoon monkey wearing a white tank top. The token is owned by PuruKraken, with 30.2K views and 214 favorites. The sale ends on August 24, 2022, at 11:32am GMT+9. The current price is 90.825 ETH (\$141,122.98). The price history graph shows a steady increase from 6/2 to 5/28, with an all-time average price of 21.7943 ETH. The listings section shows three offers: 84.4279 WETH, 84.2494 WETH, and 81.99 WETH, all from SeedOilVentures or luckyoffer.eth.

OpenSea

Search items, collections, and accounts

Explore Stats Resources Create

Owned by PuruKraken 30.2K views 214 favorites

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