dnsregistrar Documentation

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CHAPTER 1

Introduction

In addition to *DNSRegistrar* Truffle based artifact which you can call the smart contract directly, we provide a javascript wrapper which looks up DNS record, extract a proof, submit the proof via DNSSec Oracle, and register to ENS via DNSRegistrar using the proof (or delete if the entry does not exist).

Example

```
var DNSRegistrarJs = require('@ensdomains/dnsregistrar');
dnsregistrar = new DNSRegistrarJs(provider, dnsregistraraddress);
dnsregistrar.claim('foo.test').then((claim)=>{
    claim.submit({from:account});
})
```

CHAPTER 2

Libraries

2.1 DnsRegistrar

DnsRegistrar lookups a domainname for a given DNS type and returns a claim which you use to submit proof into or delete proof from DNSSEC Oracle as well as register the domain to ENS through the DNSRegistrar contract

`DNSRegistrar.`**`claim`**`(`*name*`)`

returns a claim object which allows you to claim the ownership of a given name on ENS by submitting the proof into DNSSEC oracle as well as claiming the name via the registrar

Arguments

- **name** (*string*) – name of the domain you want to claim

`Claim.`**`getOwner`**`()`

returns owner ETH address from the DNS record.

`Claim.`**`getOracle`**`()`

returns Oracle object

`Claim.`**`getResult`**`()`

returns DnsResult object

`Claim.`**`submit`**`(`*params*`)`

Either submit or delete proof depending on the state of DNSRecord and DNSSEC Oracle

- it deletes an entry if DNS record returns NSEC/NSEC3(Next Secure)
- it submits proof to DNSSEC Oracle contract if not all proofs are in the contract
- it submits proof to DNSSEC Oracle contract and claims via DNSRegistrar contract if not all proofs are in the DNSSEC Oracle contract

Arguments

- **params** (*Object*) – optional parameter to send to smart contract, such as from, gas, etc

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Indices and tables

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