Agent Discovery Protocol

A simple solution for providing basic information about a domain or subdomain and its owner or purpose in RDF

curl -H "Accept: text/n3" <[domain].[tld]/.wellknown/adp_source_uri>
What is the ADP Concept?

The notion of ADP Protocol is to define a method where domains and subdomains are able to provide a basic, secured (RDF) file that provides basic information about the domain ‘principal agent’ and/or purpose.

- Information in an ADP file is public.
- ADP is intended to have Many Applications
- Design sought to be useful for firewall devices, etc.
- Domainnames are memorable and File can be changed to update related information.
- Method sought to be employable by Registrars.

Applications:
- Personal: ability to provide resource links
- Policy Support: Age Appropriateness, Validation (ie: mygov.gov.au NOT mygov scamsite scamcentral.tld.cc), humanitariansite.tld (do not turn off), etc.
- AgentInfo (ie: isGenAi, hasAPI, has TOS, hasAddress, hasSocialMediaAccount, etc).
Personal Domains
(ADP Serialisation Methods)

## sailingdigital.com/.wellknown/adp ##

```json
{
"@context": {
  "adp": "http://webcivics.github.io/adp/ontdev/adp#",
  "schema": "http://schema.org/",
  "foaf": "http://xmlns.com/foaf/0.1/",
  "ogp": "http://ogp.me/ns#"
},
"@type": "adp:Agent",
"foaf:name": "Timothy C. Holborn",
"adp:agentType": "naturalPerson",
"adp:hasLinkedInAccount": "ubiquitous",
"adp:hasTwitterAccount": "sailingdigital",
"adp:hasEcashAccount": "ecash:qrhrfvpm9x3tsq0uj09pzrfcc495h55clswp7tpj9c",
"adp:hasDomain": "sailingdigital.com",
"schema:domain": "sailingdigital.com",
"adp:hasWebID": "https://id.inrupt.com/ubiquitous",
"adp:hasPodStorage": "https://storage.ap.inrupt.com/b436b6a9-9c4c-45bc-9d22-db068e84992/"
}
```

@prefix schema: <http://schema.org/> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .
@prefix ns0: <http://webcivics.github.io/adp/ontdev/adp#> .
@prefix foaf: <http://xmlns.com/foaf/0.1/> .

```
[a <http://webcivics.github.io/adp/ontdev/adpAgent> ;
 schema:domain "sailingdigital.com"^^xsd:string ;
 ns0:agentType "naturalPerson"^^xsd:string ;
 ns0:hasDomain "sailingdigital.com"^^xsd:string ;
 ns0:hasEcashAccount "ecash:qrhrfvpm9x3tsq0uj09pzrfcc495h55clswp7tpj9c"^^xsd:string ;
 ns0:hasLinkedInAccount "ubiquitous"^^xsd:string ;
 ns0:hasPodStorage "https://storage.ap.inrupt.com/b436b6a9-9c4c-45bc-9d22-db068e84992/"^^xsd:string ;
 ns0:hasTwitterAccount "sailingdigital"^^xsd:string ;
 ns0:hasWebID "https://id.inrupt.com/ubiquitous"^^xsd:string ;
 foaf:name "Timothy C. Holborn"^^xsd:string ]
```


Subject Alternative Name:
otherName: 1.3.6.1.4.1.15256

URI: https://sailingdigital.com/.wellknown/adp#
The ADP file could also be used to support various other use-cases. In-effect, it brings ontology to the domain-space & related services.

Some examples include:

- Humanitarian Services
- AI Services
- WebOfData (sparql endpoint example)
- AgeAppropriateness.
- Validation of Official Sites (gov, Bank, etc.)

The basic construct, is intended to be extensible via RDF.
NOTES:
Extensible via Credentials.
Not FOAF, WebID or Web Finger
Extension to these works may then in-turn consider issues such as CORS, et.al.

Action Items:
1. Looking for Collaborators to define / refine Draft RFC.
2. Ontology work is required which could be done via W3C Human Centric AI CG.

Related WIP: https://github.com/webcivics/ADP/

Human Centric AI CG: https://www.w3.org/community/humancentricai/