

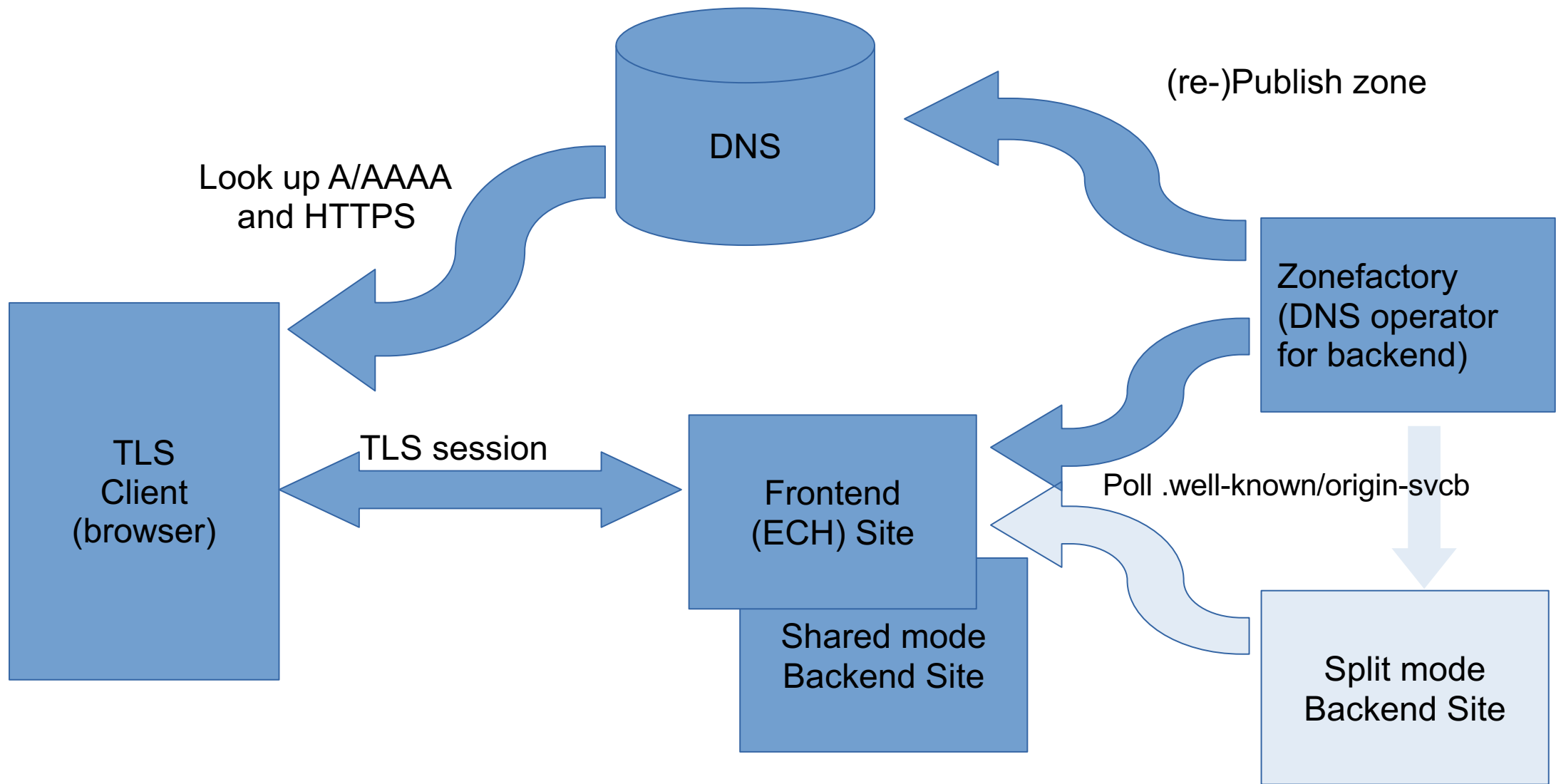
A Well-known URL for publishing ECH config data

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IETF 120

Description

- ECH keys are **updated regularly** and must be published to DNS
- A “Zone Factory” polls origins via WK resource
 - If they changed, it test them (keys) for validity
 - Publishes updates to DNS



Changes

- Many editorial
 - xml2rfc v3
- Greater compliance with HTTPS SVCB
- IANA considerations
 - Register well-known “origin-svcb” entry
 - Add JSON Service Binding registry for top-level elements
- Security considerations
- Resolved many issues

Examples

```
{  
  "regeninterval": 3600,  
  "endpoints": [  
    {  
      "priority": 1,  
      "target": "cdn.example.",  
      "params": { "ech": "AD7+DQA65wAgAC..AA==" }  
    } ...  
  ]  
}
```

```
{  
  "regeninterval": 108000,  
  "endpoints": [  
    { "alias": "cdn1.example.com" }  
  ]  
}
```

<https://github.com/sftcd/wkesni/issues>

- #18 – Any I18N issues? (Placeholder)
- #21 – Architecture for intermediaries
 - “Things” in front of the origin; e.g., load-balancers with different protocols; HTTP gateways
- #16 – One origin can “claim” to speak for others; under-specified? (MT’s early review)
- #14 – Is this still ECH-specific?
 - Thread on TLS mailing list

Next Steps

- Please review, send feedback
- Particularly around issue #14
- Maybe WGLC after IETF 121?