

## Agenda

- Welcome
- Presentation of current draft specification (1.0) by Jonas B. Nielsen from DK Hostmaster
- Q&A session
- 14:00 break
- Q&A session resumed
- *15:00 Weekend...*

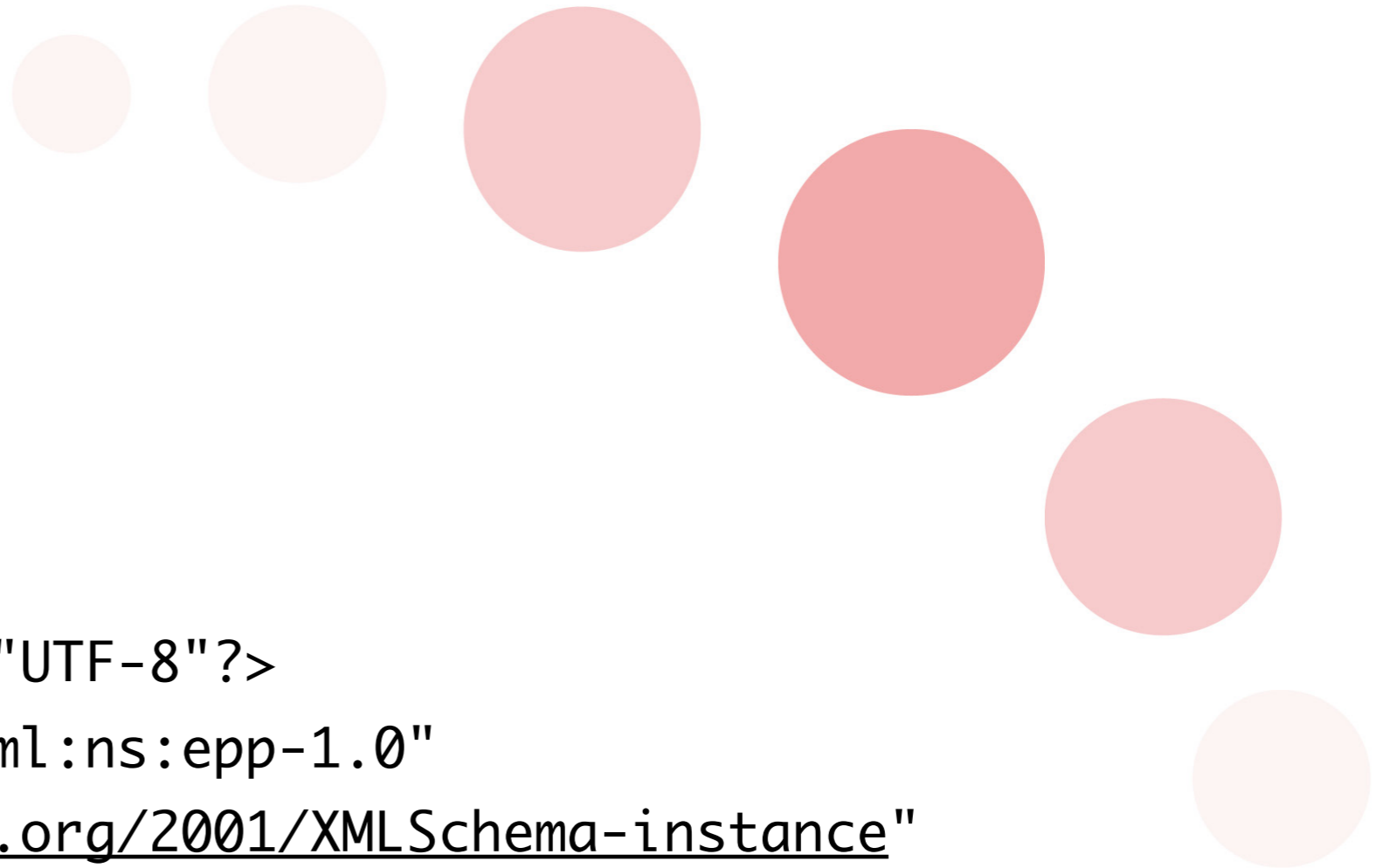


# EPP Workshop 2012.11.02

*120 minutes... presentation and Q&A session*

By Jonas B. Nielsen

*Danmarks plads på Internettet*



```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <hello/>
</epp>
```

## Disclaimer

- The primary focus of the workshop is to discuss **technical** issues in regard to DK Hostmaster's outlined EPP implementation
- The discussion will be based on the draft specification
- The workshop is **not** a forum for discussing **political** issues and the registry model used in Denmark
- Feature request are however most welcome
- We only have 120 minutes, please respect this
- Enjoy your workshop...

## Issues

- We are thrilled that you want to help us test out our test environment
- We are grateful for the feedback and support we have received on the mailing list
- We have issues in our current test environment (0.0.4):
  - XML and XSDs
  - Authentication and environments
- *More on 0.0.5 later...*

## Standard Commands

- hello
- login, including change password
- logout
- poll
- info (contact/domain/host)
- check (contact/domain/host)
- create domain

## Differing Commands and features...

- response to create domain
- create contact
- create host
- DNSSEC extension

## Differing commands: response to create domain

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1001">
      <msg>Create domain domain1.dk pending.</msg>
    </result>
    <msgQ count="2" id="ABC-1234-XY">          </msgQ>
    <extension>
      <trackingNo>1234</trackingNo>
    </extension>
    <trID>
      <clTRID>5f2814f9941fd6ec3338ab1e1ba986be</clTRID>
      <svTRID>DA507028-24CA-11E2-803B-8F62C7F2C6B6</svTRID>
    </trID>
  </response>
</epp>
```



## Differing commands: create domain and roles

EPP	DKHM	Fallbac k	Note
admin	administrator (fuldmægtig)	registrant	optional, will use fallback
billing	billing (betaler)	registrant	optional, will use fallback
tech	keyholder (nøgleansvarlig)		optional, will be ignored if keyholder is specified
registrant	registrant		mandatory
keyholder	keyholder (nøgleansvarlig)		optional, if specified it will ignore tech
registrar	registrar		mandatory

Sammenlign på internettet

# Differing commands: create contact...

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <create>
      <contact:create xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
        <contact:id>EJ123-DK</contact:id>
        <contact:postalInfo type="loc">
          <contact:name>Erik Johansen</contact:name>
          <contact:org>DK-Hostmaster</contact:org>
          <contact:addr>
            <contact:street>Kalvebod brygge 45, 3. sal</contact:street>
            <contact:city>København V</contact:city>
            <contact:sp/>
            <contact:pc>1560</contact:pc>
            <contact:cc>DK</contact:cc>
          </contact:addr>
        </contact:postalInfo>
        <contact:postalInfo type="int">
          <contact:name>Erik Johansen</contact:name>
          <contact:org>DK-Hostmaster</contact:org>
          <contact:addr>
            <contact:street>Kalvebod brygge 45, 3.</contact:street>
            <contact:city>Copenhagen V</contact:city>
            <contact:sp/>
            <contact:pc>1560</contact:pc>
          </contact:addr>
        </contact:postalInfo>
      </contact:create>
    </create>
  </command>
</epp>
```

## Differing commands: create contact / extensions

```
<extension>  
  <dkhm-contact:create xmlns:dkhm-contact="urn:dkhm:params:xml:ns:dkhm-contact-1.0">  
    <dkhm-contact:userType>C</dkhm-contact:userType>  
    <dkhm-contact:CVR>24210375</dkhm-contact:CVR>  
  </dkhm-contact:create>  
</extension>
```

- userType: CPAI
- EAN
- CVR

## Differing commands: create contact / addresses

Denmark	Other country
<b>Local representation</b>	Local representation
International representation	<b>International representation</b>

## Differing commands: create host

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <create>
      <host:create xmlns:host="urn:ietf:params:xml:ns:host-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:host-1.0 host-1.0.xsd">
        <host:name>ns2.domain2.dk</host:name>
        <host:addr ip="v4">127.0.0.1</host:addr>
        <host:addr ip="v6">0:0:0:0:0:0:0:1</host:addr>
      </host:create>
    </create>
    <extension>
      <dkhm-host:create xmlns:dkhm-host="urn:dkhm:params:xml:ns:dkhm-host-1.0">
        <dkhm-host:contact>TEST1234-DK</dkhm-host:contact>
      </dkhm-host:create>
    </extension>
    <clTRID>71a8f4d92d5a23105ad7ba858155d1d8</clTRID>
  </command>
</epp>
```

## Differing commands: create host

- We need the nameserver responsible / zone contact
- This integrates with an existing flow where the designated user has to accept the role of the above
- The registrant/administrator of the domain under which the name server is serving is not the same

## DNSSEC Extension

- We support only the DS Data Interface and not the Key data interface
- Maximum signature lifetime is disregarded for now
- We need to clarify, whether to use extension:
  - secDNS-1.0 or secDNS-1.1

# Environments

Environment	Version	URI	Notes
Production	1.0.0	epp.dk-hostmaster.dk	<i>Not currently available</i>
Sandbox	1.0.0	epp-sandbox.dk-hostmaster.dk	<i>Not currently available</i>
Test	1.0.0	epp-test.dk-hostmaster.dk	



## Roadmap

- 0.0.5 will be released and deployed to test monday...
- Specification (1.0) will be frozen
  - DK Hostmaster EPP Service 1.0.0 will be released
  - The service will be deployed to sandbox and production
- Upcoming feature release:
  - Integration with pre-activation service
  - name server responsible / zone contact will become keyholder if unspecified
- Future:
  - Evaluation of more standards commands
  - Evaluation of unimplemented EPP standard features
  - Improvements to EPP service

## Fora and Resources

- If you want to report issues please use:
  - [tech@dk-hostmaster.dk](mailto:tech@dk-hostmaster.dk)
- or subscribe to the mailing list:
  - [epp-discuss+subscribe@liste-dk-hostmaster.dk](mailto:epp-discuss+subscribe@liste-dk-hostmaster.dk)
- All relevant information will be made available at:
  - <https://www.dk-hostmaster.dk/epp> *\*under construction\**
  
- Thank You!
- Now it is time for the Q&A session...

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