

Concept - Multi Channel



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Implementation tracked in MAGNOLIA-3895@jira.

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Rationale

- the same content should be delivered differently (different HTML, format, ...)
 - a channel can be: a device, location, medium
- content can be excluded or made exclusive to one channel

Detection

- `AggregationState` has a `channel` property (a string)
- the *multi channel* filter sets this value by using a `ChannelResolver`** the `STKChannelResolver` uses the configured channels (see configuration)
- default value is `Channel.ALL`
- a `channel` parameter can be passed to oversteer the mechanism

Device

- device detection filter only detects the device
 - setups `DeviceCapability` (set as a context attribute, use IoC to get the object)
- this information is used by the `ChannelResolver` invoked by the multi channel filter

Caching

- the channel is part of the cache key

Rendering

- the default `RenderableVariationResolver` uses the current channel name

Content Structure

- content can be marked for specific channels (multiple channels)
- in the STK we provide a tab used by all the page properties dialogs
 - channels are read from `site.channels`
 - the some tab can be used by components if needed

- the channels are stored in the multivalue property `channels`
- if no such channel property exists the content is available in all channels

Content Delivery

- urls to `/website/*` map to the physical workspace `website`
- `/*` maps to the virtual workspace `magnolia`
- the virtual workspace
 - uses the channel property of the aggregation state and the content to exclude/include content
 - mainly a content filter
- implemented by a filtering session wrapper
- the virtual workspace is registered on startup

Configuration

- the channels are configured in `site/channelConfigurations` (ordered map)
- each channel has a *resolver* (an interface)
- used by the global `ChannelResolver`
- first match wins

AdminCentral

- open `/website/*` url
- make it configurable

Alternative: request parameter

- pass the channel request parameter `mgnlChannel=[ALL|mobile|tablet|etc.]` in the URL
- should we do that for the site name
- use the new named and pimped selectors