

# Processing Instruction - Default Action

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## Background and rationale

[MoinMoin](#) pages, unless otherwise specified in the URL query string, are displayed with the default action `show`, which is of course quite appropriate for most situations. If another action is preferred, it is possible to provide a page link specifying that action, for example `[[PageName||&action=print]]` or `[[http://wiki.net.PageName?action=print]]`. However, it would be useful to have a processing instruction that overrides the default action, especially for pages intended for users that only have read rights.

The motivation here was to allow pages to be displayed by default as a PDF using the user-defined action, [PDF.py](#). This would be useful where you want users to save a format-stable copy of the the page for future reference from the web, rather than having to supply it as an attached file, either to a [MoinMoin](#) page or an email.

## Description

A new processing instruction, `#action`, is included to override the default `action=show`.

Setting this new processing instruction does not override any action request explicitly given in the page link or URL.

## Usage

Specify a default action (action-name) for the page if none is otherwise requested.

```
#action action-name
```

Where, `action-name` is either a system-defined or user-defined action.

## Example

The raw content of [PiAction/Example](#) is:

```
#action PDF
<<Include(PiAction)>>
```

The processing instruction `#action PDF` makes the PDF action (see [PDF.py](#)) the default and, for the purpose the an example, the `Include` macro gives the page content from here (i.e. [PiAction](#)).

Click on the page link, [PiAction/Example](#), to see it displayed as a PDF.

## Prerequisites

To allow the processing instruction `#action` to be recognised `MoinMoin.page.py` needs to be modified in the following two places.

In the function `MoinMoin.page.parse_processing_instructions`, add the following code in

the position indicated.

### Additional code

Toggle line numbers

```

1         elif verb == "action": #added to override default
action=show [IanRiley 10.6.14]
2         if args.strip():
3             pi['action'] = args.strip()
4

```

### Insertion position

Toggle line numbers

```

1     def parse_processing_instructions(self):
2     ...
3         for verb, args in meta:
4     ...
5             elif verb == "pragma":
6     ...
7
8     #Additional code goes here.
9

```

In the function `MoinMoin.page.send_page`, add the following code in the position indicated.

### Additional position

Toggle line numbers

```

1         if 'action' in pi and not ('action' in request.values or
content_only):
2             # force override default action=show [IanRiley
10.6.14]
3             redirect_url = Page(request,
self.page_name).url(request,
4                 querystr={'action':
pi['action'], }, )
5             request.http_redirect(redirect_url)
6             return
7

```

### Insertion point

Toggle line numbers

```

1     def send_page(self, **keywords):
2     ...
3         pi = self.pi
4
5     #Additional code goes here.
6

```

## History

Developed with inspiration and [MoinMoin](#) code from:

@copyright: 2000-2004 by Juergen Hermann <[✉ jh@web.de](mailto:jh@web.de)>

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## Known issues and limitations

- None identified.
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### Hits

14

PiAction/Example (last edited 2014-06-12 10:03:12 by IanRiley)