

# **Natural for Ajax**

## **Release Notes**

Version 9.1.3

October 2020

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This document applies to Natural for Ajax Version 9.1.3 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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## About this Documentation

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## Document Conventions

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Convention	Description
<b>Bold</b>	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies:  Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies:  Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the   symbol.
[ ]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [ ] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

## Online Information and Support

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### Software AG Documentation Website

You can find documentation on the Software AG Documentation website at <http://documentation.softwareag.com>. The site requires credentials for Software AG's Product Support site Empower. If you do not have Empower credentials, you must use the TECHcommunity website.

### Software AG Empower Product Support Website

If you do not yet have an account for Empower, send an email to [empower@softwareag.com](mailto:empower@softwareag.com) with your name, company, and company email address and request an account.

Once you have an account, you can open Support Incidents online via the eService section of Empower at <https://empower.softwareag.com/>.

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>.

To submit feature/enhancement requests, get information about product availability, and download products, go to [Products](#).

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, go to the [Knowledge Center](#).

If you have any questions, you can find a local or toll-free number for your country in our Global Support Contact Directory at [https://empower.softwareag.com/public\\_directory.aspx](https://empower.softwareag.com/public_directory.aspx) and give us a call.

### **Software AG TECHcommunity**

You can find documentation and other technical information on the Software AG TECHcommunity website at <http://techcommunity.softwareag.com>. You can:

- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest.
- Access articles, code samples, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

## **Data Protection**

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Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.





## 2 Release Notes

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## Additional Product Information

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Beside this product documentation, additional product information is available at the following places:

- The Knowledge Center at <https://empower.softwareag.com/> (for registered users only).
- The Natural for Ajax discussion forum at <http://tech.forums.softwareag.com/techjforum/forums/list.page>.

## Prerequisites

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For detailed information on the supported operating systems, application servers, web containers, web browsers, and other prerequisites, see *System Requirements*.

## New Features in Version 9.1

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This section describes new features and enhancements in Natural for Ajax which have been added with this release of Natural for Ajax.

- Responsive Tab Controls
- BMOBILE:ALERT with new Property duration
- BMOBILE:PANEL with new Property foldedprop
- BMOBILE:FORMAREA with new Properties legendprop, visibleprop and invisiblemode
- BMOBILE:FORMAREA with new Properties textid and nameprop
- BMOBILE:FORMGROUP with new Properties visibleprop and invisiblemode
- BMOBILE:CHECKBOX with new properties
- New Responsive Control BMOBILE:RADIOBUTTON
- New Responsive MEDIA Controls
- New Responsive Side Navigation Controls
- BMOBILE:NAVBAR with new Property brandstraighttext
- BMOBILE:SIMPLEGRID with Editable Columns
- DATEINPUT2: Custom Holiday Rendering
- DATEINPUT2 with new Property popuponF4F7
- DATEINPUT and DATEINPUT2 support Property testtoolid
- NaturalAjax Samples
- PDF Reports - Upgrade to Version FOP 2.2
- CSVCOLUMN now supports Properties njx:natname and njx:natstringtype
- Responsive Style Guide
- Standalone SWT Client with Java Web Start

- [Password Length 128](#)

## **Responsive Tab Controls**

A set of responsive tab controls has been added:

- BMOBILE:TABPANE,
- BMOBILE:VERTICALTABPANE,
- BMOBILE:TAB,
- BMOBILE:TABSUBPAGES,
- BMOBILE:VERTICALTABSUBPAGES,
- BMOBILE:STRAIGHTTAB,
- BMOBILE:PAGER.

## **BMOBILE:ALERT with new Property duration**

For the BMOBILE:ALERT control, you can now define the duration after which the alert box will disappear.

## **BMOBILE:PANEL with new Property foldedprop**

For the BMOBILE:PANEL container, you can now control the folded state dynamically from your Natural program.

## **BMOBILE:FORMAREA with new Properties legendprop, visibleprop and invisiblemode**

For the BMOBILE:FORMAREA container, you can now control the visible state and the name of the legend dynamically from your Natural program.

## **BMOBILE:FORMAREA with new Properties textid and nameprop**

For the BMOBILE:FORMAREA container, you can now dynamically define the name from your Natural program and from multilanguage files.

## **BMOBILE:FORMGROUP with new Properties visibleprop and invisiblemode**

For the BMOBILE:FORMGROUP container, you can now control the visible state and the name of the legend dynamically from your Natural program.

## **BMOBILE:CHECKBOX with new properties**

Some advanced properties have been added to the BMOBILE:CHECKBOX control.

## **New Responsive Control BMOBILE:RADIOBUTTON**

A responsive radio button control BMOBILE:RADIOBUTTON is now available.

## **New Responsive MEDIA Controls**

The responsive controls BMOBILE:VIDEO, BMOBILE:MEDIAUPLOAD and corresponding sub-controls have been added to integrate and upload media objects.

## **New Responsive Side Navigation Controls**

The controls BMOBILE:SIDENAV, BMOBILE:NAVTREE and BMOBILE:SIDENAVCONTENT support the implementation of responsive side navigation using a responsive navigation tree.

## **BMOBILE:NAVBAR with new Property brandstraighttext**

For the BMOBILE:NAVBAR control, you can now set text and images as value of the brandprop property. Via the new property brandstraighttext you can distinguish between the representation.

## **BMOBILE:SIMPLEGRID with Editable Columns**

The BMOBILE:SIMPLEGRID control now supports editable columns. See the corresponding sample in the Natural Ajax Demos for details.

## **DATEINPUT2: Custom Holiday Rendering**

Support to render custom holidays in different style has been added to the DATEINPUT2 control. For details, please refer to the new properties HOLIDAYS\* and the corresponding sample in the Natural Ajax Demos.

### **DATEINPUT2 with new Property popuponF4F7**

For the DATEINPUT2 control, you can now customize whether or not the calendar should open on using the F4 or F7 key.

### **DATEINPUT and DATEINPUT2 support Property testtoolid**

The DATEINPUT and DATEINPUT2 controls now support the property `testtoolid`.

### **NaturalAjax Samples**

The samples now contain an additional user interface component with performance hints for non-responsive layouts and containers.

### **PDF Reports - Upgrade to Version FOP 2.2**

FOP 2.2. is now used for the PDF report generation in Natural for Ajax. This version requires more Java memory. When using this feature you might have to increase the configuration settings for Java memory in your web application server.

For details concerning Java memory settings, please refer to the documentation of your web application server.

### **CSVCOLUMN now supports Properties njx:natname and njx:natstringtype**

The CVSCOLUMN control now supports the properties `njx:natname` and `njx:natstringtype`.

### **Responsive Style Guide**

For responsive pages a style guide is now available. You find the latest version in the NaturalAjaxDemos NaturalONE project.

### **Standalone SWT Client with Java Web Start**

The standalone SWT Client, which is based on Java Web Start, is not part of the delivery anymore. Until October 2019 you can request the client in case you require it.

## Password Length 128

Natural for Ajax now supports a password length of 128 for Natural servers which also support a password length of 128.

## New Features in Version 9.1.2

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This section describes new features and enhancements in Natural for Ajax which have been added with this release of Natural for Ajax.

- [New Ajax Configuration Parameter `urlopenstreetmapgeocoder`](#)
- [AUTOCOMPLETE supports limiting the results shown in a drop-down box](#)
- [DATEINPUT2 with new Properties `stylevariant` and `displayprop`](#)
- [New Control REPORT2](#)
- [New Ajax Configuration Parameter `maxserverlogage`](#)
- [Support for editable columns in BMOBILE:SIMPLEGRID](#)
- [ROWTABLEAREA2 supports Export to Clipboard and File](#)
- [ROWTABLEAREA2 supports Icon Bars](#)
- [Layout Generation Enhancements](#)
- [Switch off Server Logging](#)
- [New Responsive Control BMOBILE:ICONCOL](#)
- [Responsive Modal Controls](#)
- [Icon Support in Responsive Controls](#)

### New Ajax Configuration Parameter `urlopenstreetmapgeocoder`

You can now adapt the third party geocoder URL in the Ajax configuration file if needed. See *Ajax Configuration* for details.

### AUTOCOMPLETE supports limiting the results shown in a drop-down box

The AUTOCOMPLETE control now enables you to limit the results shown in the drop-down box. The AUTOCOMPLETE control now also has a new property `maxresults`. The FIELD control now has a new property `autocompleteresultsref`.

## **DATEINPUT2 with new Properties `stylevariant` and `displayprop`**

DATEINPUT2 now supports the properties `stylevariant` and `displayprop` in the same way as the FIELD control.

## **New Control REPORT2**

The REPORT2 control supports PDF report generation in responsive and non-responsive design. In difference to the REPORT control, it does not require to additionally render the data in the HTML pages.

## **New Ajax Configuration Parameter `maxserverlogage`**

Automatic cleanup of *ServerLog\*.log* files is now supported. You can configure the maximum storage age of *ServerLog\*.log* files in days. See *Ajax Configuration* for details.

## **Support for editable columns in BMOBILE:SIMPLEGRID**

BMOBILE:SIMPLEGRID now fully supports editable columns also on small devices.

## **ROWTABLEAREA2 supports Export to Clipboard and File**

In ROWTABLEAREA2, all or just the selected items can now be copied to the clipboard or exported to a file. See *Export to Clipboard and File* in the description of the ROWTABLEAREA2 control grid for further details.

## **ROWTABLEAREA2 supports Icon Bars**

ROWTABLEAREA2 supports the new controls ICONBAR, ICONBARLINE, TOCLIPBOARDICON, TOFILEICON and BLOCKSCROLLINGBAR. See *Icon Bars* in the description of the ROWTABLEAREA2 control grid for further details.

## **Layout Generation Enhancements**

Performance of Layout generation has been improved. Also the analysis of generation errors has been simplified. See *Generating HTML Pages Using the Command Line* and the new attribute `htmlgeneratorlog` in the *Ajax Configuration* section.

## Switch off Server Logging

You can now switch off writing log information to the server log. See `loglevel` in the *Ajax Configuration* section.

## New Responsive Control BMOBILE:ICONCOL

BMOBILE:SIMPLEGRID now supports icon columns. See BMOBILE:ICONCOL for details.

## Responsive Modal Controls

A set of responsive modal controls has been added:

- BMOBILE:INTMODAL,
- BMOBILE:INTMODALHEADER,
- BMOBILE:INTMODALBODY,
- BMOBILE:INTMODALFOOTER.

## Icon Support in Responsive Controls

Many responsive controls now support icons as values for `name/nameprop` or as value for other text based properties. For examples see the Natural for Ajax Demos.

## New Features in Version 9.1.3

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This section describes new features and enhancements in Natural for Ajax which have been added with this release of Natural for Ajax.

- Responsive NatLogon and NatDisconnect Pages Supported
- Bootstrap 4 Supported in Responsive Pages
- Support for Natural-specific Properties like `njx:natname` in Responsive Controls
- PAGEBODY Container obsolete for Responsive Controls
- New Template for Responsive Pages with Sidebar
- Major Enhancements of Responsive Forms
- Enhanced Tooltip Support for Responsive Controls
- BMOBILE:COL: `visisbleprop` now supported
- Enhanced Testing Support for Responsive Controls
- New Responsive Containers: BMOBILE:SIDEBAR\*, BMOBILE:HORIZONTALBAR, BMOBILE:CONTENT
- Help IDs supported in Responsive Input Controls
- Page Pop-Ups Fit to Parent
- FIELD Control: New Value in Property `formautocomplete` Supported



- FIELD Control With New properties `onclickmethod` and `ondblclickmethod`
- RPIECHART With New Property `animateselection`
- Several Responsive Modal Enhancements
- Natural Web I/O Pages Support Additional JavaScript file

## Responsive NatLogon and NatDisconnect Pages Supported

Responsive and non-responsive NatLogon and NatDisconnect pages are now supported.

## Bootstrap 4 Supported in Responsive Pages

Bootstrap 4 is now supported for responsive controls. Bootstrap 4 is the default. If you still need to use Bootstrap 3, you can use the attribute `uselatestbootstrap` in *cisconfig.xml* to run all pages with Bootstrap 3 or use the property `uselatestbootstrap` in the NATPAGE control to run a single page with Bootstrap 3

See *Ajax Configuration* for details.

## Support for Natural-specific Properties like `njx:natname` in Responsive Controls

Most responsive controls now support Natural-specific properties like `njx:natname` in the same way as non responsive controls.

## PAGEBODY Container obsolete for Responsive Controls

The PAGEBODY tag is now obsolete for responsive controls. The templates for responsive pages do not contain the PAGEBODY tag anymore. Responsive pages with PAGEBODY tags are still supported but contain obsolete HTML code.

## New Template for Responsive Pages with Sidebar

The Layout Painter supports a new page template for development of responsive pages with sidebars. See also *Responsive Page Layout and Controls* for further details.

## Major Enhancements of Responsive Forms

A more flexible and lightweight BMOBILE:FORM container is now supported. The BMOBILE:FORMGROUP containers now supports horizontal and vertical forms. For the usage in bar controls - like the BMOBILE:HORIZONTALBAR and the BMOBILE:SIDEBAR - a BMOBILE:FORMINLINE container is supported. A BMOBILE:FTEXTOUT control has been added to support plain read-only text in forms.

## Enhanced Tooltip Support for Responsive Controls

Bootstrap 4 tooltip support is now used to render tooltips. The rendering can be customized via CSS style classes. All form controls now also support setting the tooltip text dynamically from within Natural. Use the property `titleprop` in the corresponding controls.

## BMOBILE:COL: visiblerop now supported

The `BMOBILE:COL` container now supports a `visiblerop` property.

## Enhanced Testing Support for Responsive Controls

Most responsive containers and controls now support a `testtoolid` property.

## New Responsive Containers: BMOBILE:SIDEBAR\*, BMOBILE:HORIZONTALBAR, BMOBILE:CONTENT

The new responsive containers `BMOBILE:SIDEBAR*`, `BMOBILE:HORIZONTALBAR` and `BMOBILE:CONTENT` support frequently used patterns for modern responsive pages.

Additional controls like `BMOBILE:TOGGLER`, `BMOBILE:SIDEBARGROUP`, `BMOBILE:BARTEXT` support corresponding functionality for flexible rendering.

## Help IDs supported in Responsive Input Controls

Responsive input controls like `BMOBILE:FFIELD` now support a `helpid` property in the same way as non-responsive controls.

## Page Pop-Ups Fit to Parent

The file *cisconfig.xml* now supports the new settings `pagepopuponresize`, `pagepopuphorizontal` and `pagepopupvertical`. Use these settings to fit a page pop-up to its parent.

See *Ajax Configuration* for details.

## FIELD Control: New Value in Property formautocomplete Supported

The `formautocomplete` property of the `FIELD` and `BMOBILE:FFIELD` controls now supports the value `new-password`. In the current versions of Chrome, this can be used to prevent Chrome from autofilling form fields.

### **FIELD Control With New properties `onclickmethod` and `ondblclickmethod`**

Natural programs can now react to click and/or double click events. Refer to the description of the `FIELD` control properties for details.

### **RPIECHART With New Property `animateselection`**

Use the new `RPIECHART` property `animateselection` if you want to render the selected slice with a bigger radius (= move out effect).

### **Several Responsive Modal Enhancements**

A new `BMOBILE:HELPMODAL` dialog shows help texts for specified help IDs. All responsive modal dialogs - `BMOBILE:MODAL`, `BMOBILE:INTMODAL`, `BMOBILE:HELPMODAL` - are now draggable and resizable.

For `BMOBILE:MODAL`, the page URL can now be specified dynamically at runtime.

### **Natural Web I/O Pages Support Additional JavaScript file**

You can add own JavaScript to Natural Web I/O pages in a file *usernatunicscript.js*. See section *Natural Web I/O Style Sheets* for details.

