

Amigopod

Advanced Visitor Account Naming



Technical Note

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1 Introduction

This technical note explains the configuration process for setting up visitor account provisioning when fine-grained control over visitor account usernames is required.

In particular, the process for setting up random and sequential usernames is described.

Audience

This document is intended for network administrators and system integrators deploying an Amigopod-based visitor management solution.

Basic familiarity with the Amigopod Visitor Management Appliance is assumed. For in-depth information about the features and functions of the Amigopod appliance, refer to the Amigopod Deployment Guide.

Document Overview

The first section of the document explains the configuration steps required to set up visitor account creation with random usernames.

The next section contains a reference guide for the various fields and options related to random and sequential username allocation.

2 Configuring Visitor Account Creation

Check Plugin Versions

Support for creating random or sequential usernames requires the following plugin versions:

- Guest Manager 2.0.5 or later

To verify you have the correct plugin versions installed, navigate to **Administrator > Plugin Manager > List Available Plugins** and check the version number in the list.

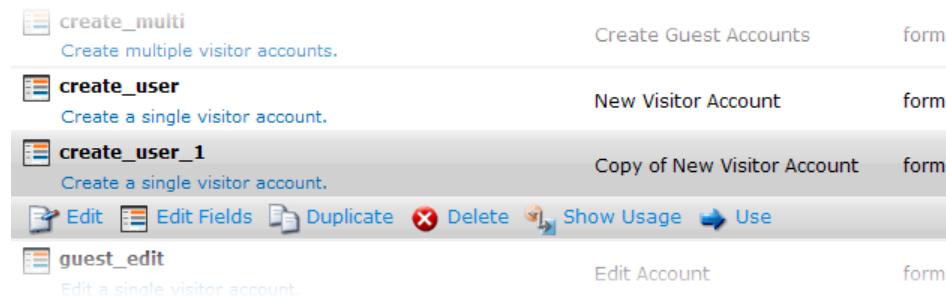
Use the **Check for Plugin Updates** link to download and install updated plugins.











Create New Visitor Account Form

Navigate to **Customization > Forms & Views** and click the **create_user** form in the list.

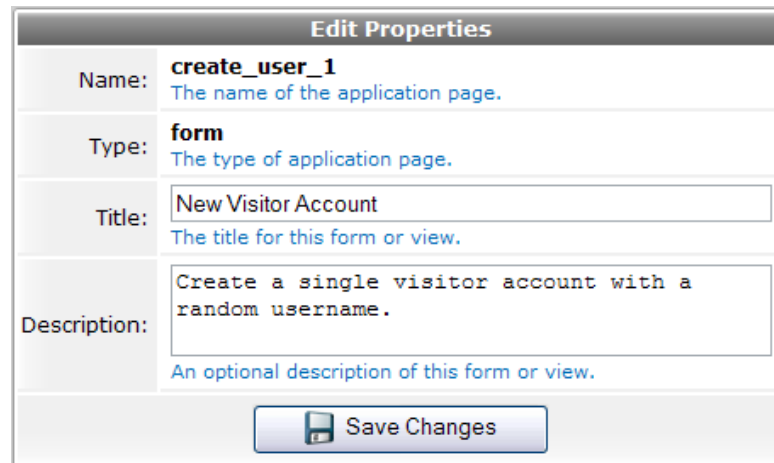
Click the **Duplicate** icon link to make a copy of the form.

A new item named **create_user_1** will be displayed.



 create_multi Create multiple visitor accounts.	Create Guest Accounts	form
 create_user Create a single visitor account.	New Visitor Account	form
 create_user_1 Create a single visitor account.	Copy of New Visitor Account	form
 Edit  Edit Fields  Duplicate  Delete  Show Usage  Use		
 guest_edit Edit a single visitor account.	Edit Account	form

Click the **Edit** link for the duplicated form, and update the title and description of the form as shown in Figure 1.



Edit Properties	
Name:	create_user_1 The name of the application page.
Type:	form The type of application page.
Title:	<input type="text" value="New Visitor Account"/> The title for this form or view.
Description:	<input type="text" value="Create a single visitor account with a random username."/> An optional description of this form or view.
<input type="button" value="Save Changes"/>	

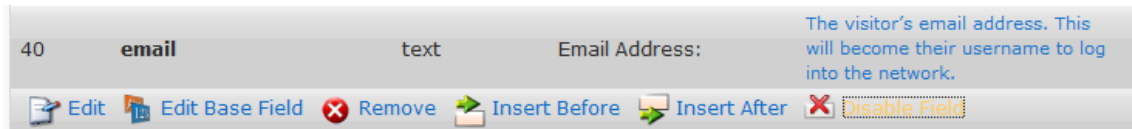
Figure 1. Edited properties for create_user_1 form.

To modify the form's fields, click the **create_user_1** form in the list, and then click **Edit Fields**.

Modify Form Fields

Disable email field

Click the **email** field in the list, and then click **Disable Field**. This field will be used as the account username if it is available.



Insert random_username_method field

Click the **Insert After** link to insert a new field on the form. Select the field named **random_username_method**. Make the following selections on the form:

- [x] Enable this field
- User Interface: Hidden field
- [x] Field value must be supplied
- Initial Value: nwa_digits_password

With these selections, the form should appear as shown in Figure 2.

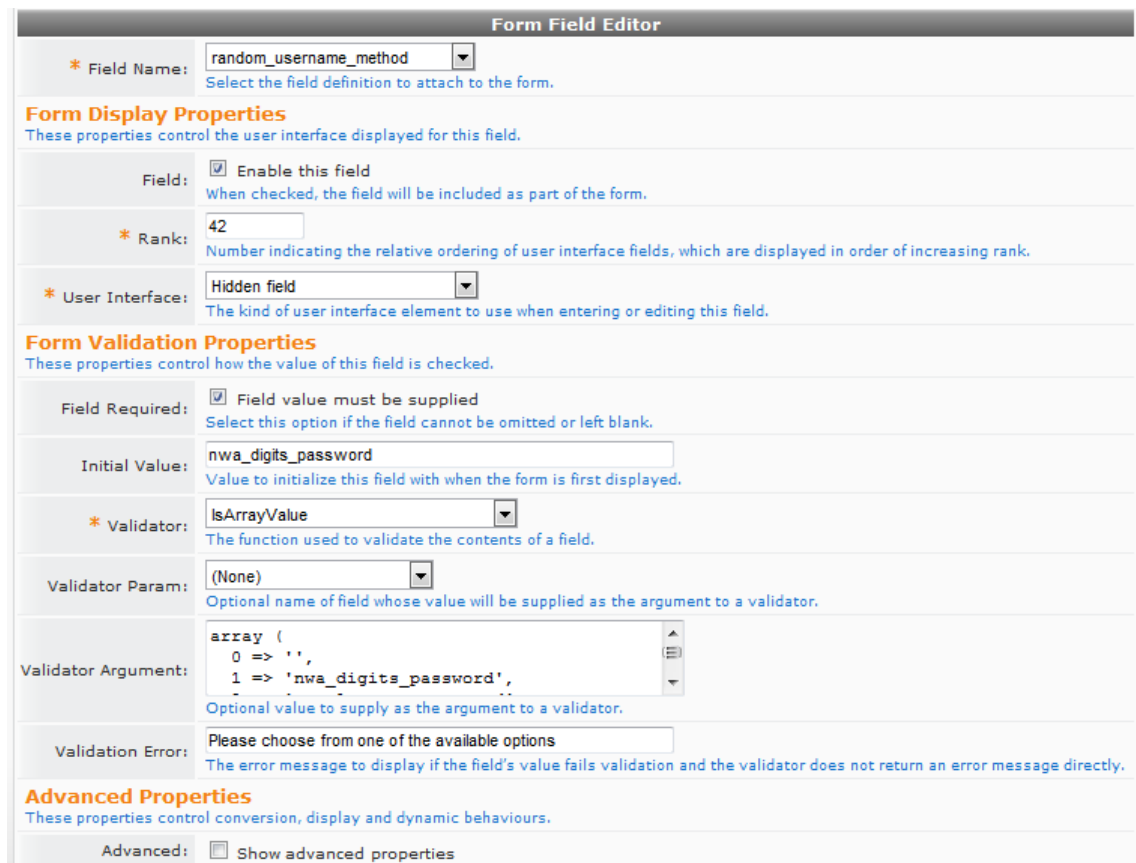
A screenshot of the 'Form Field Editor' interface. The field name is 'random_username_method'. Under 'Form Display Properties', 'Enable this field' is checked, 'Rank' is 42, and 'User Interface' is 'Hidden field'. Under 'Form Validation Properties', 'Field Required' is checked, 'Initial Value' is 'nwa_digits_password', 'Validator' is 'isArrayValue', and 'Validator Param' is '(None)'. The 'Validator Argument' is a JavaScript array: `array (0 => '' 1 => 'nwa_digits_password'`. The 'Validation Error' is 'Please choose from one of the available options'. At the bottom, there is a checkbox for 'Show advanced properties'.

Figure 2. Form field editor with settings for random_username_method.

Click the **Save Changes** button to return to the list of form fields.

Insert random_username_length field

Click the **Insert After** link to insert a new field on the form. Select the field named **random_username_length**. Make the following selections on the form:

- [x] Enable this field
- User Interface: Hidden field
- [x] Field value must be supplied
- Initial Value: 6

With these selections, the form should appear as shown below.

The screenshot shows the 'Form Field Editor' interface for the 'random_username_length' field. The field name is set to 'random_username_length'. Under 'Form Display Properties', the field is enabled, has a rank of 43, and is set to a 'Hidden field' user interface. Under 'Form Validation Properties', the field is required, has an initial value of 6, uses the 'IsInRange' validator with '(None)' as the parameter and an argument of 'array (0 => 4, 1 => 16,)'. The validation error message is 'You must enter a value between 4 and 16'. At the bottom, there is an 'Advanced' section with a 'Show advanced properties' checkbox.

Figure 3. Form field editor with settings for random_username_length.

Click the **Save Changes** button to return to the list of form fields.

Configure Operator Profile

To use the new visitor account creation form, it must be assigned to an operator profile.

NOTE

For more information about configuring operator profiles to use different forms and views, refer to the Amigopod TechNote “Implementing Multiple Visitor Account Creation Forms”.

Navigate to **Administrator > Operator Logins > Manage Operator Profiles** and select the **Operations and Marketing** profile.

Click the **Edit** link to display the Edit Operator Profile form.

Select the checkbox at **Customization: [x] Override the application's forms and views**, and in the Customization list, select the **create_user_1** form for the New Visitor Account screen. The form should appear as shown in Figure 4.

Customization:	<input checked="" type="checkbox"/> Override the application's forms and views <small>If checked, you can specify different default forms and views to use.</small>
Custom Forms and Views	
Active Sessions:	(Use default: guest_sessions "Active Sessions") ▼ <small>Override the Active Sessions view.</small>
Change Expiration:	(Use default: change_expiration "Change Expiration") ▼ <small>Override the Change Expiration form.</small>
Create Guest Accounts:	(Use default: create_multi "Create Guest Accounts") ▼ <small>Override the Create Guest Accounts form.</small>
Edit Account:	(Use default: guest_edit "Edit Account") ▼ <small>Override the Edit Account form.</small>
Edit Accounts:	(Use default: guest_multi "Edit Accounts") ▼ <small>Override the Edit Accounts view.</small>
Edit Guest Accounts:	(Use default: guest_multi_form "Edit Guest Accounts") ▼ <small>Override the Edit Guest Accounts form.</small>
Export Guest Manager Accounts:	(Use default: guest_export "Export Guest Manager Accounts") ▼ <small>Override the Export Guest Manager Accounts view.</small>
Guest Manager Accounts:	(Use default: guest_users "Guest Manager Accounts") ▼ <small>Override the Guest Manager Accounts view.</small>
New Visitor Account:	create_user_1 - New Visitor Account ▼ <small>Override the New Visitor Account form.</small>
<input type="button" value="Save Changes"/>	

* required field

Figure 4. Form customizations on the Edit Operator Profile screen.

Click the **Save Changes** button to return to the list of operator profiles.

Create operator

If you have not already done so, create an operator login using the Operations and Marketing profile.

Verify Visitor Account Creation

Log into the Amigopod using the operator login and profile created in the previous step.

Observe that the **New Visitor Account** form no longer includes a field for the visitor's email address.

New Visitor Account	
* Sponsor's Name:	operations <small>Name of the person sponsoring this visitor account.</small>
* Visitor's Name:	<input type="text"/> <small>Name of the visitor.</small>
* Company Name:	<input type="text"/> <small>Company name of the visitor.</small>
* Visiting	<input type="text"/> <small>Enter the name of the person the guest is visiting</small>
Account Activation:	Now <input type="button" value="v"/> <small>Select an option for changing the activation time of this account.</small>
Account Expiration:	1 day from now <input type="button" value="v"/> <small>Select an option for changing the expiration time of this account.</small>
Password:	18524992
* Terms of Use:	<input type="checkbox"/> I am the sponsor of this visitor account and accept the terms of use
<input type="button" value="Create Account"/>	

* required field

Figure 5. Completed visitor account creation form.

After completing the form, using settings such as that shown in Figure 5, the guest account will be created. A receipt for the guest account is then displayed.

The guest account was successfully created.

Account Details	
Guest username:	875856
Guest password:	30645065
Account expiration:	Account will expire at Sunday, 13 February 2011, 12:26 PM
Account role:	Guest
Sponsor name:	operations

Figure 6. Visitor account receipt showing randomly created username.

Observe that the newly created account now has a username consisting of six random digits.

3 Reference

Naming Options

The following options may be used as the value of the **random_username_method** field.

Value	Description
nwa_digits_password	Creates usernames using random digits
nwa_letters_password	Creates usernames using random letters (a through z)
nwa_lettersdigits_password	Creates usernames using random letters and digits (a through z and 0 through 9)
nwa_alnum_password	Creates usernames using random alphanumeric characters (a-z, A-Z and 0-9)
nwa_words_password	Creates usernames using two random words separated by a small number
nwa_picture_password	Creates usernames using the format picture specified in the random_username_picture field
nwa_sequence	Creates usernames sequentially

The **random_username_length** field specifies the number of characters in the generated username, with the following exceptions:

- For `nwa_words_password`, the `random_username_length` is the maximum length of the random words to use. Two random words will be used to create the username, joined together with a small number (up to 2 digits).
- For `nwa_picture_password`, the `random_username_length` is ignored.
- For `nwa_sequence`, the `random_username_length` is the length of the sequence number in the username; the sequence number will be zero-padded. For example, specifying a length of 4 will result in sequence numbers 0001, 0002, etc.

Sequential numbering

When using the `nwa_sequence` option, at least one additional field must be specified.

The **multi_prefix** field is required and must be a non-empty string. This string will be used as the initial string for sequentially-numbered account names. For example, setting **multi_prefix** to “user” will create visitor accounts named `user0001`, `user0002`, `user0003` and so on.

The **multi_initial_sequence** field may be provided. This value can be used to specify the initial sequence number. If not provided, the default initial sequence number is 1.

The **random_username_length** field specifies the length of the sequence number part of the username. Sequence numbers are padded with zeroes. For example, specifying a length of 4 will result in sequence numbers 0001, 0002, etc.

Password Options

The following options may be used as the value of the **random_password_method** field.

Value	Description
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nwa_digits_password	Creates passwords using random digits
nwa_letters_password	Creates passwords using random letters (a through z)
nwa_lettersdigits_password	Creates passwords using random letters and digits (a through z and 0 through 9)
nwa_alnum_password	Creates passwords using random alphanumeric characters (a-z, A-Z and 0-9)
nwa_strong_password	Creates passwords using random letters, digits and symbols
nwa_words_password	Creates passwords using two random words separated by a small number
nwa_picture_password	Creates passwords using the format picture specified in the random_password_picture field

The **random_password_length** field specifies the number of characters in the generated password, with the following exceptions:

- For nwa_words_password, the **random_password_length** is the maximum length of the random words to use. Two random words will be used to create the password, joined together with a small number (up to 2 digits).
- For nwa_picture_password, the **random_password_length** is ignored.

Picture String

When using the value nwa_picture_password, a “picture string” should be provided to specify the format of generated username or password, using the **random_username_picture** and **random_password_picture** fields.

The picture string is used as the username or password, with the following symbols replaced with a random character:

Symbol	Replacement
#	Random digit (0-9)
\$ or ?	Random letter (A-Z, a-z)
_	Random lowercase letter (a-z)
^	Random uppercase letter (A-Z)
*	Random letter or digit (A-Z, a-z, 0-9)
!	Random punctuation symbol, excluding apostrophe and quotation marks
&	Random character (letter, digit or punctuation excluding apostrophe and quotation marks)
@	Random letter or digit, excluding vowels

Any other alphanumeric characters in the picture string will be used in the resulting username or password.

Examples

Picture String	Sample Password
####	3728
user####	user3728
v^^#_	vQU3nj

@@@@	Bh7Pm
------	-------