

Generated values

[generated](#), [generator](#), [values](#), [value](#), [generable](#)

The main functionality of all generator is generating values. In CzechIdM is principle of generated values same. During creating entity is called generator manager. Manager will iterate over all available and enabled generator for currently created identity. Generators are used only when is entity **CREATED**. After creating isn't possible use generators behavior.

Entities that allow generating values:

- IdmIdentity (users).

Generators

Generators are setup via agenda *Generated values* (access via Settings). All generators supports these settings:

- **Order:** generators are ordered by this attribute, generating is done from lower to higher 0 → +10 → +20 → ...
- **description:** description for created generator
- **regenerate value:** generators not regenerated values that was send with entity, (BEWARE, these settings must be explicit implement in script generators),
- **disable:** generator can be created and set as disabled, generators marked as disabled is skipped during generating,
- **system generator:** Generator created by system, can't be deleted and changed order.

Identities

Currently are available these generators

IdentityUsernameGenerator

Standard username generator uses firstname and lastname for generating username. Order of firstname or lastname can be setup by settings. Generator also allow check generated username for unique. The check is done by search in existing identities.

Edit generator ×

Entity type

IdmIdentityDto × ▼

Generation is done for a specific type of entity. Based on the selected entities will be shown generators

Generator type

Standard username generator × ▼

Order ?

0

Description

☐ Regenerate value
If will be checkbox checked, the value from user will be regenerated by the generator. If will be checkbox unchecked, the generator will not change value.

☐ System generator
System generator cannot be deleted. Some of its configurations are not editable.

☐ Disabled
Disabled generators are ignored

Standard username generator

Generator settings

Connection character

-

The character(s) to be used to connects the first name and surname. The value does not need to be filled in. In this case, the first name and surname will be connected without any coupling character.

Count of characters from the first name

1

The maximum count of characters to use from the first name.

Count of characters from the surname

The maximum count of characters to use from the surname.

☒ As first value use first name
When generating, the first name of the user will be added first. If you unchecked, the order will be the opposite.

Character/s for filling white spaces

.

Character/s will be used to replace white spaces, even outside the username. If you leave blank, all spaces will be removed.

☒ Verify unique username
The newly generated username will be searched. If username will be exists, numeric suffix will be added. Suffix may be incremented.

Close Save

IdentityEmailGenerator

Entity type

IdmIdentityDto

Generation is done for a specific type of entity. Based on the selected entities will be shown generators

Generator type

Standard email generator

Order ?

0

Description

☐ Regenerate value

If will be checkbox checked, the value from user will be regenerated by the generator. If will be checkbox unchecked, the generator will not change value.

☐ System generator

System generator cannot be deleted. Some of its configurations are not editable.

☐ Disabled

Disabled generators are ignored

Standard email generator

Generator settings

Connection character

.

The character(s) to be used to connects the first name and surname. The value does not need to be filled in. In this case, the first name and surname will be connected without any coupling character.

Count of characters from the first name

2

The maximum count of characters to use from the first name.

Count of characters from the surname

2

The maximum count of characters to use from the surname.

☒ As first value use first name

When generating, the first name of the user will be added first. If you unchecked, the order will be the opposite.

Character/s for filling white spaces

-

Character/s will be used to replace white spaces, outside the username and email suffix. If you leave blank, all spaces will be removed.

Email suffix

@example.tld

The Suffix will be added to the username and together they must create an email address.

☐ Generate based on username

Email will be based on existing username. The username must exist at the moment of generation.

Close

Save

Standard email generator uses firstname, lastname or username for generating email. Base for generating you can choose by settings. Also characters count and connection character.

Generator is very similar to username generator. And behavior with compose is same.

IdentityScriptValueGenerator

Scripted generator uses script from category 'SYSTEM' for generating values. Into script is passed whole identity and the identity must be also returned. The script also contain definition for generator. For example information about settings.

Create new generator ✕

Entity type

IdmIdentityDto ✕ ▼

Generation is done for a specific type of entity. Based on the selected entities will be shown generators

Generator type

Scripted Generator ✕ ▼

Order ⓘ

0

Description

☐ Regenerate value

If will be checkbox checked, the value from user will be regenerated by the generator. If will be checkbox unchecked, the generator will not change value.

☐ System generator

System generator cannot be deleted. Some of its configurations are not editable.

☐ Disabled

Disabled generators are ignored

Generator settings

Script code

myTestScript *

Script code to run.

Close Save

IdentityFormDefaultValueGenerator

Form default generator is used for add default values into identity eavs. The generator is also created during CzechIdM init phase. The generator skip permissions for Form values - values will be created even user hasn't permissions for create.

Create new generator

Entity type

IdmIdentityDto

Generation is done for a specific type of entity. Based on the selected entities will be shown generators

Generator type

Addition default values for the forms with next informa...

Order 0

Description

Regenerate value

If will be checkbox checked, the value from user will be regenerated by the generator. If will be checkbox unchecked, the generator will not change value.

System generator

System generator cannot be deleted. Some of its configurations are not editable.

Disabled

Disabled generators are ignored

Generator add default values for all attributes.

Generator settings

Form

Select or type to search ...

Form must be for given entity type (IdmIdentity). If you leave form empty, the values will be added to all form definition.

Separator

If the attribute is multi-valued and the default value contains multiple values, write character(s) that seperate values. If left blank, a default character will be used ','.

Close

Save

IdentityAnonymousUsernameGenerator

Anonymous username generator composes usernames from fixed prefix and generated numeric value from set range. This range is specified by required length of the numerical part. If set (e.g.) to 4, the generated values are from range 0000-9999.

Edit generator

Entity type

IdmIdentityDto

Generator type

Anonymous username generator

Order

0

Description

☐ Regenerate value

If will be checkbox checked, the value from user will be regenerated by the generator. If will be checkbox unchecked, the generator will not change value.

☐ System generator

☐ Disabled

Disabled generators are ignored

Anonymous username generator

Generator settings

Common prefix

tester

All created usernames start with this common prefix. The value may be empty. If so, the created username will consist of the generated numeric part only.

Number of characters of the numeric part

4

Generated numeric part will be always of this length. Allowed values are in ranger from 1 to 9.

Close

Save

Admin guide (to be completed)

- [Generators overview](#)

Devel guide

- [Generated values developer guide](#)

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