

# TR-064 Support – LANConfigSecurity

Supported by AVM

Author: AVM GmbH

Date: 2020-02-27

urn:LANConfigSecurity-com:serviceId:LANConfigSecurity1

For details please refer the TR-064 document at <http://www.broadband-forum.org/technical/download/TR-064.pdf>.

## 1 History

| Date       | Version | Changes  |
|------------|---------|--|
| 2012-11-06 | 5       | New action GetInfoEx to differ between anonymous authentication and authentication with username.<br>Changed allowed values for state variable ConfigPassword. |
| 2012-11-12 | 6       | Removed GetInfoEx<br>Added action X_AVM-DE_GetAnonymousLogin and X_AVM-DE_GetCurrentUser   |
| 2014-05-26 | 7       | Added action X_AVM-DE_GetCurrentUserRights and state variable X_AVM-DE_CurrentUserRights   |
| 2020-02-27 | 8       | Added action X_AVM-DE_GetUserList and state variable X_AVM-DE_UserList   |

## 2 Action List

This chapter contains the supported actions of the service LAN configuration security which are listed including arguments.

### 2.1 GetInfo

| Argument name           | Direction | Related state variable | Remarks |
|-------------------------|-----------|------------------------|---------|
| NewMaxCharsPassword     | out       | MaxCharsPassword       |         |
| NewMinCharsPassword     | out       | MinCharsPassword       |         |
| NewAllowedCharsPassword | out       | AllowedCharsPassword   |         |

Table 1: Argument list of action GetInfo

### 2.2 X\_AVM-DE\_GetAnonymousLogin

This action can be invoked without authentication.

| Argument name                     | Direction | Related state variable         | Remarks |
|-----------------------------------|-----------|--------------------------------|---------|
| NewX_AVM-DE_AnonymousLoginEnabled | out       | X_AVM-DE_AnonymousLoginEnabled |         |

Table 2: Argument list of action X\_AVM-DE\_GetAnonymousLogin

### 2.3 X\_AVM-DE\_GetCurrentUser

The current username might be empty. If anonymous login is enabled, the client may use any username for authentication instead of a configured one. Return list of configured rights of the current user, too.

| Argument name                 | Direction | Related state variable     | Remarks  |
|-------------------------------|-----------|----------------------------|----------|
| NewX_AVM-DE_CurrentUsername   | out       | X_AVM-DE_CurrentUsername   |          |
| NewX_AVM-DE_CurrentUserRights | out       | X_AVM-DE_CurrentUserRights | 26.05.14 |

Table 3: Argument list of action X\_AVM-DE\_GetCurrentUser

### 2.4 SetConfigPassword

| Argument name | Direction | Related state variable | Remarks                                       |
|---------------|-----------|------------------------|---|
| NewPassword   | in        | ConfigPassword         | Changing the password needs up to 20 seconds. |

Table 4: Argument list of action SetConfigPassword

### 2.5 X\_AVM-DE\_GetUserList

Get the usernames of all users in a xml-list. Each item has an attribute "last\_user", which is set to "1" for only that username, which was used since last login.

| Argument name        | Direction | Related state variable | Remarks |
|----------------------|-----------|------------------------|---------|
| NewX_AVM-DE_UserList | out       | X_AVM-DE_UserList      |         |

Table 5: Argument list of action X\_AVM-DE\_GetUserList

| Return code | Description    | Related argument |
|-------------|----------------|------------------|
| 820         | Internal Error |                  |
| 402         | Invalid Args   | any              |

Table 6: Return codes of action X\_AVM-DE\_GetUserList

### 3 Service States Table

| Variable name                  | Allowed values (* == default)   | Data type |
|--------------------------------|---|-----------|
| AllowedCharsPassword           | 01234567890ABCDEFGHIJKLMNPOQRSTUVWXYZ<br>abcdefghijklmnopqrstuvwxyz !"#%&'()*+,-./:;<=>?<br>@[!^_`{}~ (*) | String    |
| ConfigPassword                 |   | String    |
| MaxCharsPassword               | 32 (*)  | ui2       |
| MinCharsPassword               | 0 (*)   | ui2       |
| X_AVM-DE_AnonymousLoginEnabled |   | Boolean   |
| X_AVM-DE_CurrentUsername       |   | String    |
| X_AVM-DE_CurrentUserRights     |   | String    |
| X_AVM-DE_UserList              |   | string    |

Table 7: Variable list

#### 3.1 X\_AVM-DE\_CurrentUserRights

List of rights as XML string.

Example

```
<rights>
  <path>BoxAdmin</path>
  <access>none</access>
  <path>Phone</path>
  <access>readwrite</access>
  <path>Dial</path>
  <access>readwrite</access>
  <path>NAS</path>
  <access>readonly</access>
  <path>HomeAuto</path>
  <access>readwrite</access>
</rights>
```

#### 3.2 X\_AVM-DE\_UserList

List of usernames as XML string.

Example

```
<List>
  <Username last_user="1">John</Username>
  <Username last_user="0">PowerLine</Username>
  <Username last_user="0">repeaterpeter</Username>
</List>
```