



*Full credit is given to the above companies including the OS that this PDF file was generated!*

## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'NAMING\_AUTHORITY\_get0\_authorityId.3ossl' command**

**`$ man NAMING_AUTHORITY_get0_authorityId.3ossl`**

ADMISSIONS(3ossl)                  OpenSSL                  ADMISSIONS(3ossl)

NAME

ADMISSIONS, ADMISSIONS\_get0\_admissionAuthority,  
ADMISSIONS\_get0\_namingAuthority, ADMISSIONS\_get0\_professionInfos,  
ADMISSIONS\_set0\_admissionAuthority, ADMISSIONS\_set0\_namingAuthority,  
ADMISSIONS\_set0\_professionInfos, ADMISSION\_SYNTAX,  
ADMISSION\_SYNTAX\_get0\_admissionAuthority,  
ADMISSION\_SYNTAX\_get0\_contentsOfAdmissions,  
ADMISSION\_SYNTAX\_set0\_admissionAuthority,  
ADMISSION\_SYNTAX\_set0\_contentsOfAdmissions, NAMING\_AUTHORITY,  
NAMING\_AUTHORITY\_get0\_authorityId, NAMING\_AUTHORITY\_get0\_authorityURL,  
NAMING\_AUTHORITY\_get0\_authorityText, NAMING\_AUTHORITY\_set0\_authorityId,  
NAMING\_AUTHORITY\_set0\_authorityURL,  
NAMING\_AUTHORITY\_set0\_authorityText, PROFESSION\_INFO, PROFESSION\_INFOS,  
PROFESSION\_INFO\_get0\_addProfessionInfo,  
PROFESSION\_INFO\_get0\_namingAuthority,  
PROFESSION\_INFO\_get0\_professionItems,  
PROFESSION\_INFO\_get0\_professionOIDs,  
PROFESSION\_INFO\_get0\_registrationNumber,  
PROFESSION\_INFO\_set0\_addProfessionInfo,  
PROFESSION\_INFO\_set0\_namingAuthority,  
PROFESSION\_INFO\_set0\_professionItems,  
PROFESSION\_INFO\_set0\_professionOIDs,

PROFESSION\_INFO\_set0\_registrationNumber - Accessors and setters for  
ADMISSION\_SYNTAX

## SYNOPSIS

```
typedef struct NamingAuthority_st NAMING_AUTHORITY;
typedef struct ProfessionInfo_st PROFESSION_INFO;
typedef STACK_OF(PROFESSION_INFO) PROFESSION_INFOS;
typedef struct Admissions_st ADMISSIONS;
typedef struct AdmissionSyntax_st ADMISSION_SYNTAX;
const ASN1_OBJECT *NAMING_AUTHORITY_get0_authorityId(
    const NAMING_AUTHORITY *n);
void NAMING_AUTHORITY_set0_authorityId(NAMING_AUTHORITY *n,
    ASN1_OBJECT* namingAuthorityId);
const ASN1_IA5STRING *NAMING_AUTHORITY_get0_authorityURL(
    const NAMING_AUTHORITY *n);
void NAMING_AUTHORITY_set0_authorityURL(NAMING_AUTHORITY *n,
    ASN1_IA5STRING* namingAuthorityUrl);
const ASN1_STRING *NAMING_AUTHORITY_get0_authorityText(
    const NAMING_AUTHORITY *n);
void NAMING_AUTHORITY_set0_authorityText(NAMING_AUTHORITY *n,
    ASN1_STRING* namingAuthorityText);
const GENERAL_NAME *ADMISSION_SYNTAX_get0_admissionAuthority(
    const ADMISSION_SYNTAX *as);
void ADMISSION_SYNTAX_set0_admissionAuthority(
    ADMISSION_SYNTAX *as, GENERAL_NAME *aa);
const STACK_OF(ADMISSIONS) *ADMISSION_SYNTAX_get0_contentsOfAdmissions(
    const ADMISSION_SYNTAX *as);
void ADMISSION_SYNTAX_set0_contentsOfAdmissions(
    ADMISSION_SYNTAX *as, STACK_OF(ADMISSIONS) *a);
const GENERAL_NAME *ADMISSIONS_get0_admissionAuthority(const ADMISSIONS *a);
void ADMISSIONS_set0_admissionAuthority(ADMISSIONS *a, GENERAL_NAME *aa);
const NAMING_AUTHORITY *ADMISSIONS_get0_namingAuthority(const ADMISSIONS *a);
void ADMISSIONS_set0_namingAuthority(ADMISSIONS *a, NAMING_AUTHORITY *na);
const PROFESSION_INFOS *ADMISSIONS_get0_professionInfos(const ADMISSIONS *a);
```

```

void ADMISSIONS_set0_professionInfos(ADMISSIONS *a, PROFESSION_INFOS *pi);
const ASN1_OCTET_STRING *PROFESSION_INFO_get0_addProfessionInfo(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_addProfessionInfo(
    PROFESSION_INFO *pi, ASN1_OCTET_STRING *aos);
const NAMING_AUTHORITY *PROFESSION_INFO_get0_namingAuthority(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_namingAuthority(
    PROFESSION_INFO *pi, NAMING_AUTHORITY *na);
const STACK_OF(ASN1_STRING) *PROFESSION_INFO_get0_professionItems(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_professionItems(
    PROFESSION_INFO *pi, STACK_OF(ASN1_STRING) *as);
const STACK_OF(ASN1_OBJECT) *PROFESSION_INFO_get0_professionOIDs(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_professionOIDs(
    PROFESSION_INFO *pi, STACK_OF(ASN1_OBJECT) *po);
const ASN1_PRINTABLESTRING *PROFESSION_INFO_get0_registrationNumber(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_registrationNumber(
    PROFESSION_INFO *pi, ASN1_PRINTABLESTRING *rn);

```

## DESCRIPTION

The PROFESSION\_INFOS, ADMISSION\_SYNTAX, ADMISSIONS, and PROFESSION\_INFO types are opaque structures representing the analogous types defined in the Common PKI Specification published by <<https://www.t7ev.org>>.

Knowledge of those structures and their semantics is assumed.

The conventional routines to convert between DER and the local format are described in d2i\_X509(3). The conventional routines to allocate and free the types are defined in X509\_dup(3).

The PROFESSION\_INFOS type is a stack of PROFESSION\_INFO; see DEFINE\_STACK\_OF(3) for details.

The NAMING\_AUTHORITY type has an authority ID and URL, and text fields.

The NAMING\_AUTHORITY\_get0\_authorityId(),

NAMING\_AUTHORITY\_get0\_get0\_authorityURL(), and NAMING\_AUTHORITY\_get0\_get0\_authorityText(), functions return pointers to those values within the object. The NAMING\_AUTHORITY\_set0\_authorityId(), NAMING\_AUTHORITY\_set0\_get0\_authorityURL(), and NAMING\_AUTHORITY\_set0\_get0\_authorityText(), functions free any existing value and set the pointer to the specified value.

The ADMISSION\_SYNTAX type has an authority name and a stack of ADMISSION objects. The ADMISSION\_SYNTAX\_get0\_admissionAuthority() and ADMISSION\_SYNTAX\_get0\_contentsOfAdmissions() functions return pointers to those values within the object. The ADMISSION\_SYNTAX\_set0\_admissionAuthority() and ADMISSION\_SYNTAX\_set0\_contentsOfAdmissions() functions free any existing value and set the pointer to the specified value.

The ADMISSION type has an authority name, authority object, and a stack of PROFESSION\_INFO items. The ADMISSIONS\_get0\_admissionAuthority(), ADMISSIONS\_get0\_namingAuthority(), and ADMISSIONS\_get0\_professionInfos() functions return pointers to those values within the object. The ADMISSIONS\_set0\_admissionAuthority(), ADMISSIONS\_set0\_namingAuthority(), and ADMISSIONS\_set0\_professionInfos() functions free any existing value and set the pointer to the specified value.

The PROFESSION\_INFO type has a name authority, stacks of profession items and OIDs, a registration number, and additional profession info. The functions PROFESSION\_INFO\_get0\_addProfessionInfo(), PROFESSION\_INFO\_get0\_namingAuthority(), PROFESSION\_INFO\_get0\_professionItems(), PROFESSION\_INFO\_get0\_professionOIDs(), and PROFESSION\_INFO\_get0\_registrationNumber() functions return pointers to those values within the object. The PROFESSION\_INFO\_set0\_addProfessionInfo(), PROFESSION\_INFO\_set0\_namingAuthority(), PROFESSION\_INFO\_set0\_professionItems(),

PROFESSION\_INFO\_set0\_professionOIDs(), and  
PROFESSION\_INFO\_set0\_registrationNumber() functions free any existing  
value and set the pointer to the specified value.

#### RETURN VALUES

Described above. Note that all of the get0 functions return a pointer  
to the internal data structure and must not be freed.

#### SEE ALSO

X509\_dup(3), d2i\_X509(3),

#### COPYRIGHT

Copyright 2017-2018 The OpenSSL Project Authors. All Rights Reserved.  
Licensed under the Apache License 2.0 (the "License"). You may not use  
this file except in compliance with the License. You can obtain a copy  
in the file LICENSE in the source distribution or at  
<<https://www.openssl.org/source/license.html>>.

3.0.7                      2023-07-13                      ADMISSIONS(3ossl)