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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'PROFESSION\_INFOS.3ossl' command**

**\$ man PROFESSION\_INFOS.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),

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