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Rocky Enterprise Linux 9.2 Manual Pages on command 'PROFESSION_INFO.3ossl'

\$ man PROFESSION_INFO.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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