msaSDK Module

`.auth.auth.auth`

Classes

Auth

Bases: `Generic[_UserModelT]`

Attributes

backend `instance-attribute`

```
backend = self.backend or AuthBackend(
    self, token_store or DbTokenStore(self.db)
)
```

db `instance-attribute`

```
db = db or self.db
```

pwd_context `instance-attribute`

```
pwd_context = pwd_context
```

user_model `instance-attribute`

```
user_model = user_model or self.user_model
```

Functions

__init__

```
__init__(
    db: Union[AsyncDatabase, Database],
    token_store: BaseTokenStore = None,
```

```
        user_model: Type[_UserModelT] = User,
        pwd_context: CryptContext = CryptContext(
            schemes=["bcrypt"], deprecated="auto"
        ),
    )
```

authenticate_user `async`

```
authenticate_user(
    username: str, password: Union[str, SecretStr]
) -> Optional[_UserModelT]
```

create_role_user `async`

```
create_role_user(role_key: str = 'admin') -> User
```

get_current_user

```
get_current_user()
```

requires

```
requires(
    roles: Union[str, Sequence[str]] = None,
    groups: Union[str, Sequence[str]] = None,
    permissions: Union[str, Sequence[str]] = None,
    status_code: int = 403,
    redirect: str = None,
    response: Union[bool, Response] = None,
) -> Callable
```

AuthBackend

Bases: `AuthenticationBackend` , `Generic[_UserModelT]`

Attributes

auth `instance-attribute`

```
auth = auth
```

token_store `instance-attribute`

```
token_store = token_store
```

Functions

__init__

```
__init__(auth: Auth, token_store: BaseTokenStore)
```

attach_middleware

```
attach_middleware(app: FastAPI)
```

authenticate `async`

```
authenticate(
    request: Request,
) -> Tuple[Auth, Optional[_UserModelT]]
```

get_user_token `staticmethod`

```
get_user_token(request: Request) -> Optional[str]
```

AuthRouter

Bases: `MSARouterMixin`

Attributes

auth `instance-attribute`

```
auth = auth or self.auth
```

router_prefix `class-attribute`

```
router_prefix = '/auth'
```

schema_user_info `instance-attribute`

```
schema_user_info = (
    self.schema_user_info
    or schema_create_by_schema(
        self.auth.user_model,
        "UserInfo",
        exclude={"password"},
```

```
        )
    )
```

schema_user_login_out `class-attribute`

```
schema_user_login_out: Type[UserLoginOut] = UserLoginOut
```

Classes

OAuth2

Bases: `OAuth2PasswordBearer`

Functions

__call__ `async`

```
__call__(request: Request) -> Optional[str]
```

Functions

__init__

```
__init__(auth: Auth = None)
```

route_gettoken `property`

```
route_gettoken()
```

route_logout `property`

```
route_logout()
```

route_userinfo `property`

```
route_userinfo()
```

router_path

```
router_path() -> str
```

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