msaSDK Module

`.utils.token`

Attributes

oauth2_scheme `module-attribute`

```
oauth2_scheme = OAuth2PasswordBearer(tokenUrl='login')
```

Classes

MSAToken

Attributes

algorithm `instance-attribute`

```
algorithm: str = algorithm
```

credentials_exception `instance-attribute`

```
credentials_exception = HTTPException(
    status_code=status.HTTP_401_UNAUTHORIZED,
    detail="Could not validate credentials",
    headers={"WWW-Authenticate": "Bearer"},
)
```

secret_key `instance-attribute`

```
secret_key: str = secret_key
```

Functions

__init__

```
__init__(secret_key: str, algorithm: str = 'HS256')
```

MSAToken

PARAMETER	DESCRIPTION	
secret_key	The secret key to produce a Token **TYPE:** `str`	
algorithm	Algo to use, default `HS256` **TYPE:** `str`	**DEFAULT:** `'HS256'`

create_token `async`

```
create_token(data: dict, expire_minutes: int = 100) -> str
```

Create a Token

PARAMETER	DESCRIPTION	
data	the data and content used to build the token **TYPE:** `dict`	
expire_minutes	the time the token is valid, expires **TYPE:** `int`	**DEFAULT:** `100`

RETURNS	DESCRIPTION
encoded_jwt	jwt encoded token **TYPE:** `str`

get_current_user `async`

```
get_current_user(token: str = Depends(oauth2_scheme))
```

verify_token `async`

```
verify_token(token: str) -> MSATokenData
```

Verify Token

PARAMETER	DESCRIPTION
`token`	the token as str **TYPE:** `str`

RAISES	DESCRIPTION
`JWTError`	credentials_exception

RETURNS	DESCRIPTION
`token_data`	the jwt decoded data **TYPE:** `MSATokenData`

MSATokenData

Bases: `SQLModel`

TokenData schema

Attributes

id `class-attribute`

```
id: Optional[str]
```

User ID

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