

# msaSDK Module

## `.utils.token`

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### Attributes

`__version__` module-attribute

```
__version__ = '0.1.1'
```

`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')
```

### `create_token` async

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

### `get_current_user` async

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

### `verify_token` async

```
verify_token(token: str)
```

## MSATokenData

Bases: `SQLModel`

### Attributes

`id` class-attribute

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

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