

# TimeZoneUtil

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## Description

- org.joget.commons.util.TimeZoneUtil
- Under wflow-commons module
- Utility methods to deal with Time Zone

## Code Sample

```
import java.util.Date;
import org.joget.commons.util.TimeZoneUtil;
import org.joget.apps.app.service.AppUtil;

//Format current date to System/User selected timezone and date format
String dateString = TimeZoneUtil.convertToTimeZone(new Date(), null, AppUtil.getAppDateFormat());
```

## Methods

### convertToTimeZone

```
public static java.lang.String convertToTimeZone(java.lang.Date time, java.lang.String gmt, java.lang.String format)
```

Convert Date to String based on GMT/Timezone ID and Date Format.

#### Parameters

gmt - GMT ("12" to "12") or Timezone ID, NULL to use System/User selected timezone.

format - follow java.text.SimpleDateFormat syntax.

### getList

```
public static java.util.Map<java.lang.String, java.lang.String> getList()
```

Retrieve a list of Time Zone.

**Return** a map of time zone id and its description

### getServerTimeZone

```
public static java.lang.String getServerTimeZone()
```

Retrieve Server Time Zone in GMT format

### getServerTimeZoneID

```
public static java.lang.String getServerTimeZoneID()
```

Retrieve Server Time Zone ID

### getTimeZoneByGMT

```
public static java.lang.String getTimeZoneByGMT(java.lang.String gmt)
```

Get Time Zone ID by GMT