

# Abstract Locale Operations

ECMA 402

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# Intl.getCanonicalLocales(locales)

## Usage:

```
Intl.getCanonicalLocales([Symbol.for("foo")]); // throw TypeError
Intl.getCanonicalLocales(""); // throw RangeError
Intl.getCanonicalLocales("EN-US"); // ["en-US"]
Intl.getCanonicalLocales("EN-US", "FR"); // ["en-US", "fr"]
Intl.getCanonicalLocales(["es-us-miami"]); // ["en-US-Miami"]
```

**Note:** relies on `CanonicalizeLocaleList`, which is an existing abstract operation in 402 2nd Edition.

# Intl.getParentLocales(locale)

"zh-Hant-MO"



"zh-Hant"

"zh-Hant-MO"



"zh-Hant-HK"



"zh-Hant"

# Intl.getParentLocales(locale)

## Usage:

```
Intl.getParentLocales(null);           // throw SyntaxError
Intl.getParentLocales("");             // throw RangeError
Intl.getParentLocales("en-US");        // ["en-US", "en"]
Intl.getParentLocales("zh-Hant-MO");   // ["zh-Hant-MO", "zh-Hant-HK", "zh-Hant"]
```

**Note:** will relies on the same abstract operation used by `ResolveLocale` abstract operations in 402 2nd Edition.

# Intl.resolveLocaleInfo(locales[, options])

## Usage:

```
Intl.resolveLocaleInfo(null);           // throw TypeError
Intl.resolveLocaleInfo("");            // throw RangeError
Intl.resolveLocaleInfo("EN-US");       // { locale: "en-US", direction: "ltr", ... }
Intl.resolveLocaleInfo("ar");          // { locale: "ar", direction: "rtl", ... }
Intl.resolveLocaleInfo("en-US-Miami"); // { locale: "en-US", direction: "ltr", ... }
```

# Intl.resolveLocaleInfo(locales[, options])

```
let el = document.getElementById("container");  
el.dir = Intl.resolveLocaleInfo(navigator.languages).direction;
```