

## **infer\_static\_outlives\_requirements**

The tracking issue for this feature is: #54185

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The `infer_static_outlives_requirements` feature indicates that certain `'static` outlives requirements can be inferred by the compiler rather than stating them explicitly.

Note: It is an accompanying feature to `infer_outlives_requirements`, which must be enabled to infer outlives requirements.

For example, currently generic struct definitions that contain references, require where-clauses of the form `T: 'static`. By using this feature the outlives predicates will be inferred, although they may still be written explicitly.

```
rust,ignore (pseudo-Rust) struct Foo<U> where U: 'static { //  
<-- currently required      bar: Bar<U> } struct Bar<T: 'static> {  
x: T, }
```

### **Examples:**

```
“rust,ignore (pseudo-Rust) #[feature(infer_outlives_requirements)] #[fea-  
ture(infer_static_outlives_requirements)]
```

```
#[rustc_outlives] // Implicitly infer U: 'static struct Foo { bar: Bar } struct  
Bar<T: 'static> { x: T, } “
```