

第27期-审计日志高级配置与实现原理

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审计日志贡献者

你可以创建类继承 `AuditLogContributor` 类来扩展审计系统，该类定义了 `PreContribute` 和 `PostContribute` 方法。

唯一预构建的贡献者是 `AspNetCoreAuditLogContributor` 类,它设置HTTP请求的相关属性。

```
public class MyAuditLogContributor : AuditLogContributor
{
    public override void PreContribute(AuditLogContributionContext context)
    {
        var currentUser =
context.ServiceProvider.GetRequiredService<ICurrentUser>();
        context.AuditInfo.SetProperty(
            "MyCustomClaimValue",
            currentUser.FindClaimValue("MyCustomClaim")
        );
    }

    public override void PostContribute(AuditLogContributionContext context)
    {
        context.AuditInfo.Comments.Add("Some comment...");
    }
}

Configure<AbpAuditingOptions>(options =>
{
    options.Contributors.Add(new MyAuditLogContributor());
});
```

IAuditLogScope & IAuditingManager

获取当前审计日志范围

```
public class MyService : ITransientDependency
{
    private readonly IAuditingManager _auditingManager;

    public MyService(IAuditingManager auditingManager)
    {
        _auditingManager = auditingManager;
    }
}
```

```

public async Task DoItAsync()
{
    var currentAuditLogScope = _auditingManager.Current;
    if (currentAuditLogScope != null)
    {
        currentAuditLogScope.Log.Comments.Add(
            "Executed the MyService.DoItAsync method :)");
    }

    currentAuditLogScope.Log.SetProperty("MyCustomProperty",
42);
}
}
}

```

手动创建审计日志范围

```

public class MyService : ITransientDependency
{
    private readonly IAuditingManager _auditingManager;

    public MyService(IAuditingManager auditingManager)
    {
        _auditingManager = auditingManager;
    }

    public async Task DoItAsync()
    {
        using (var auditingScope = _auditingManager.BeginScope())
        {
            try
            {
                //Call other services...
            }
            catch (Exception ex)
            {
                //Add exceptions
                _auditingManager.Current.Log.Exceptions.Add(ex);
            }
            finally
            {
                //Always save the log
                await auditingScope.SaveAsync();
            }
        }
    }
}

```

使用审计日志存储扩展模块

Install-Package Volo.Abp.AuditLogging.EntityFrameworkCore

Install-Package Volo.Abp.AuditLogging.MongoDB

```
[DependsOn(typeof(AbpAuditLoggingEntityFrameworkCoreModule))]
```

```
modelBuilder.ConfigureAuditLogging();
```

Add-Migration AddConfigureAuditLoggingTables

Update-Database

```
SELECT * FROM [dbo].[AbpAuditLogs]
```

```
SELECT * FROM [dbo].[AbpAuditLogActions]
```

```
SELECT * FROM [dbo].[AbpEntityChanges]
```

```
SELECT * FROM [dbo].[AbpEntityPropertyChanges]
```