

DOS_DatabaseConnectionCloseMisUsePattern_Finding - Findings Report

Oct 26, 2007 7:07:24 PM

Classification	Type	Severity	File	Line	CWE ID	SmartTrace
Vulnerability	AppDOS.ConnectionClose		Z:\jspwiki\JSPWiki_2_4_104\JSPWiki-src\src\com\ecyrd\jspwiki\auth\authorize\JDBCGroupDatabase.java	387	404	

Description:

The application does not close its database connections properly. Typical best practices indicate the try/catch/finally pattern, where the close connections are in the finally block.

Recommendation:

Follow the appropriate database connection close pattern to avoid potential DOS vectors.

```

        {
            m_supportsCommits = true;
            conn.setAutoCommit( false );
            log.info("JDBCGroupDatabase supports transactions. Good; we will use them." );
        }
        conn.close();
    }
    catch ( SQLException e )
    {
        log.warn("JDBCGroupDatabase warning: user database doesn't seem to support transactions. Reason: " + e.getMessage() );
        throw new NoRequiredPropertyException( PROP_GROUPDB_DATASOURCE, "JDBCGroupDatabase initialization error: " + e.getMessage() );
    }

```

Vulnerability	AppDOS.ConnectionClose		Z:\jspwiki\JSPWiki_2_4_104\JSPWiki-src\src\com\ecyrd\jspwiki\auth\user\JDBCUserDatabase.java	432	404	
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```
try
{
    Connection conn = m_ds.getConnection();
    PreparedStatement ps = conn.prepareStatement( m_findAll );
    ps.executeQuery();
    conn.close();
}
catch ( SQLException e )
{
    log.error( "JDBCGroupDatabase initialization error: " + e.getMessage() );
    throw new NoRequiredPropertyException( PROP_GROUPDB_DATASOURCE, "JDBCGroupDatabase initialization error: " + e.getMessage() );
}
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