

Solution Development and Architecting of an Application aimed at water conservation through smart metering

Business Case:

- There was no mechanism to capture readings from individual meters
- The data expected was huge & a storage mechanism which could handle huge amounts of data was required
- The client wanted to be the first company to offer such a solution in the USA

Solution Highlights:

- A WCF service was implemented to accept meter readings & deployed on a Web Role
- A Worker role was also required to aggregating data
- Server Bus queues were used for holding the data received from individual meters
- Cache Worker role was used to implement Dedicated Caching
- Multiple WebRole instances were proposed to scalability
- Windows Azure Table storage was used to store meter readings