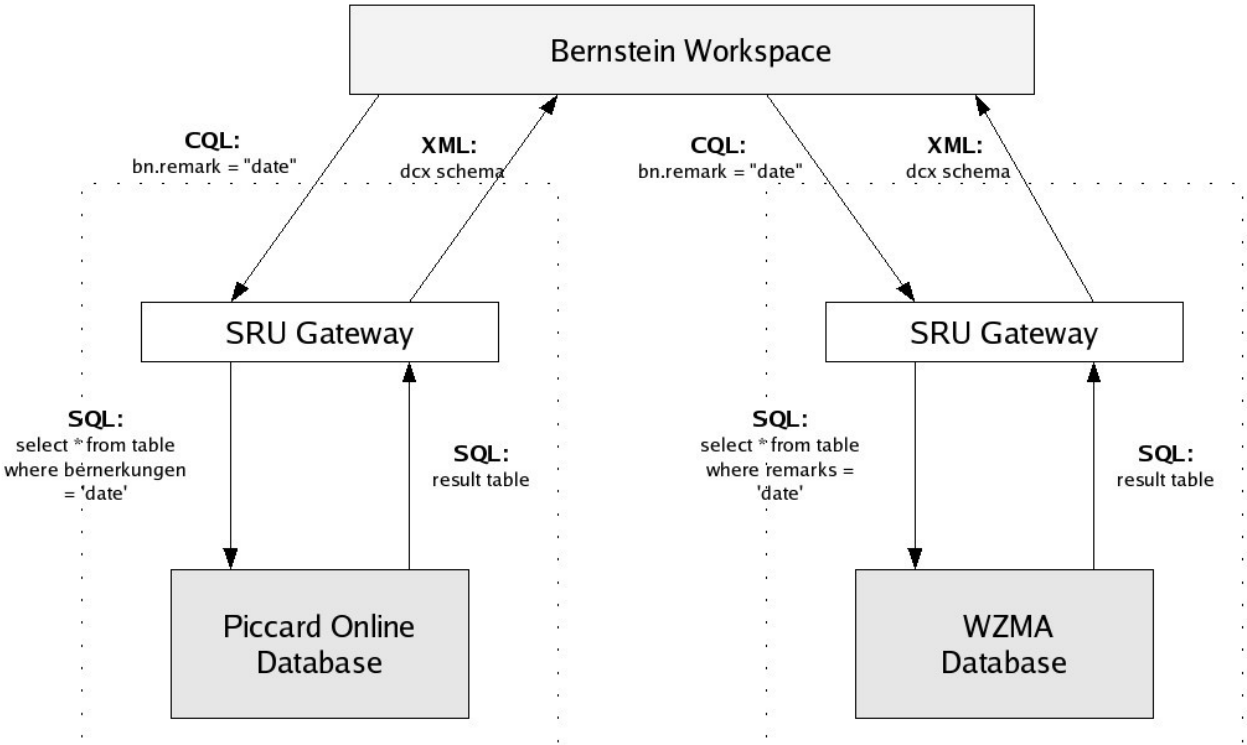Bernstein Integration Architecture