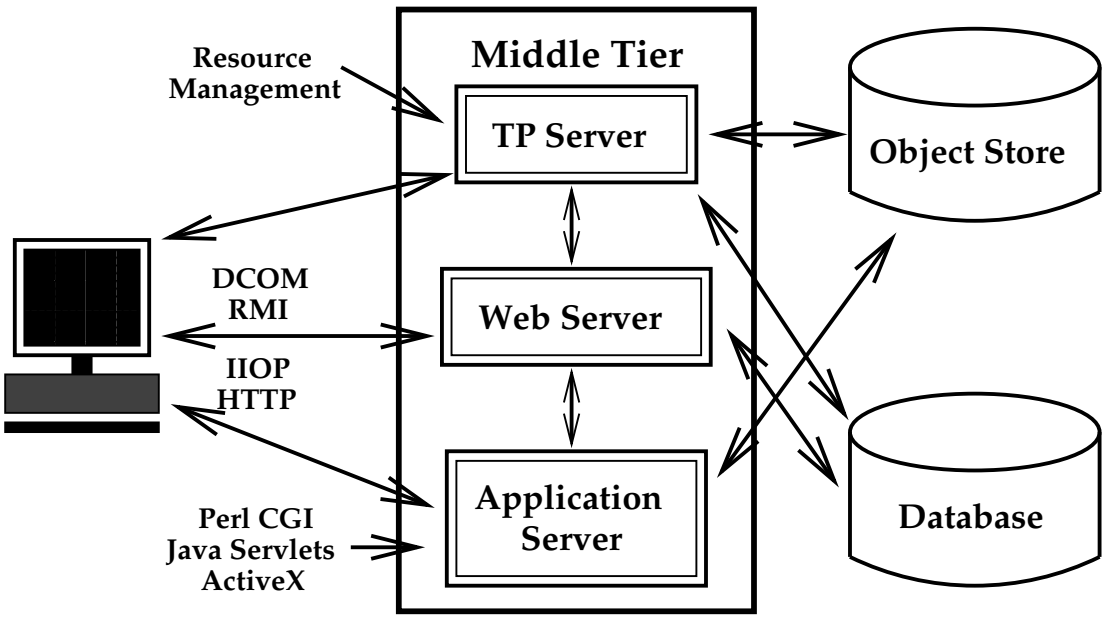A Web-based 3-Tier Computing System